

CASSETTE RECEIVER

KRC-802/882/902

SERVICE MANUAL

KENWOOD

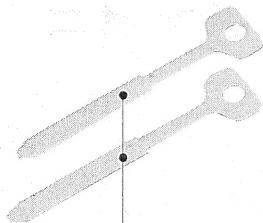
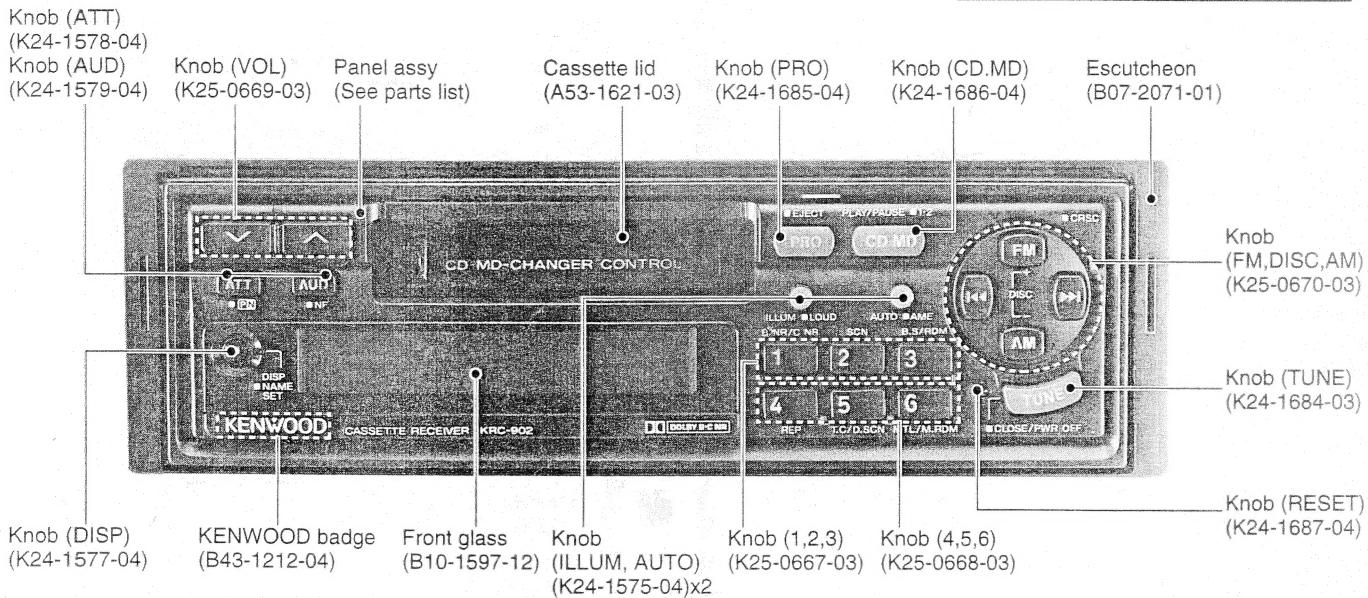
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B51-7014-00 (K) 1657

Please see service manuals KRC-901/991 (B51-6846-00) and KRC-980/890 (B51-6701-00), if you need to refer the following descriptions.

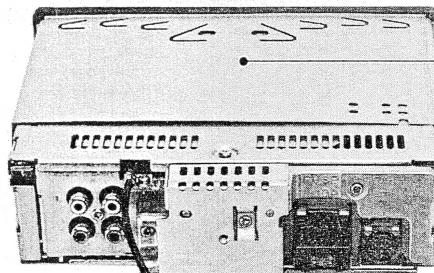
- Retractable mechanism (ME2) operation (on service manual KRC-901/991).
- Cassette mechanism (ME1) operation (on service manual KRC-980/890).

Photo is KRC-902.

Cassette mechanism extension cord for service
W05-0476-00 (9P)
W05-0478-00 (12P)



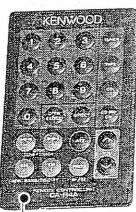
Lever
(D10-3023-04)x2



Mounting hardware assy
(J21-7566-13)

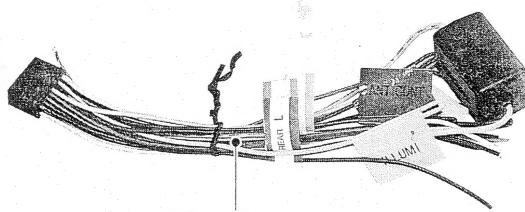
Cord with plug
(E30-4136-05)

Blind plate assy
(F19-1267-04)



Remote controller
(A70-0837-05)

- KRC-882 and 902 only -



CD cord assy
(E30-4337-05)

Screw set
(N99-1622-05)



Stay
(J54-0071-04)

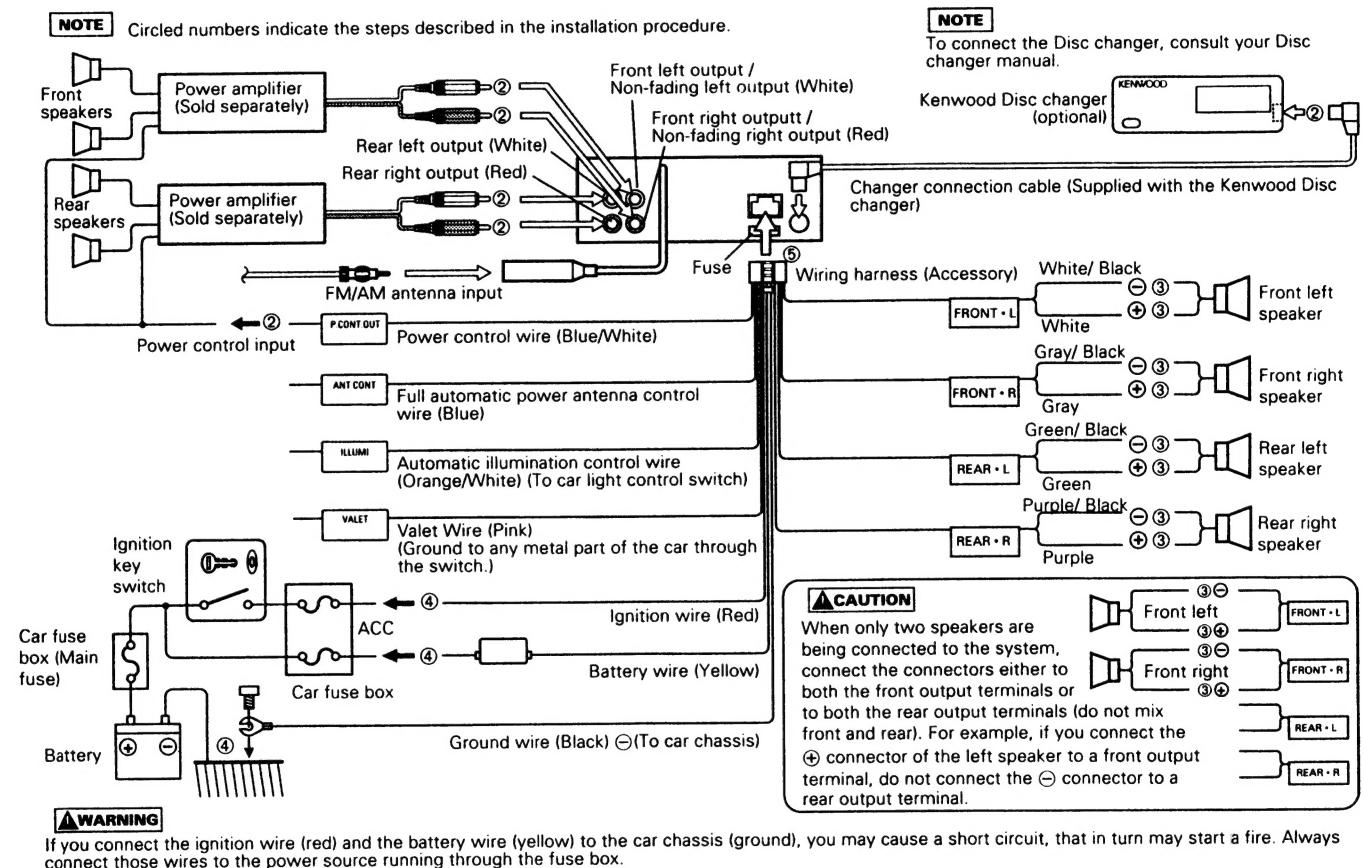
KRC-802/882/902

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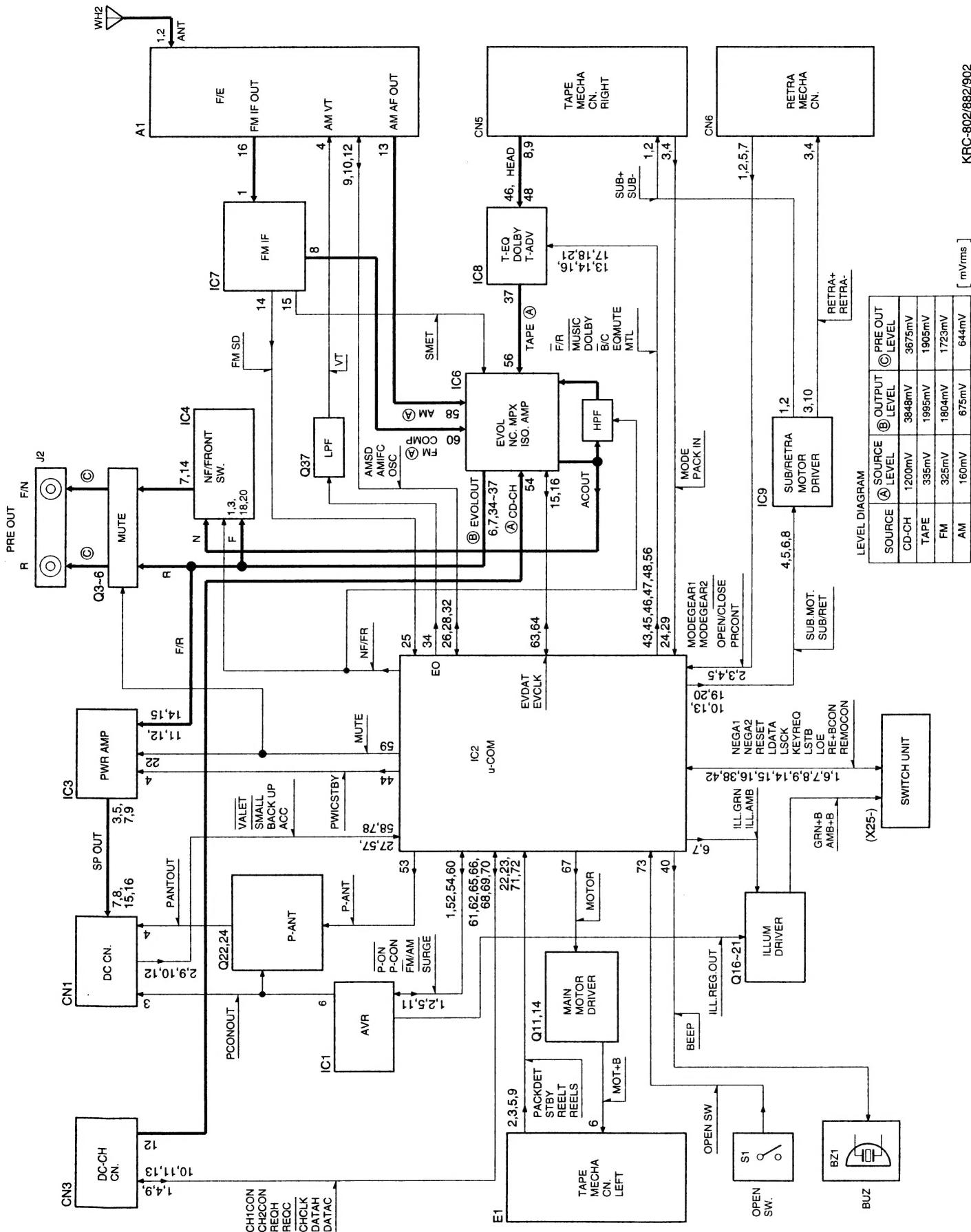
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CONNECTING CABLE TO TERMINALS



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BLOCK DIAGRAM

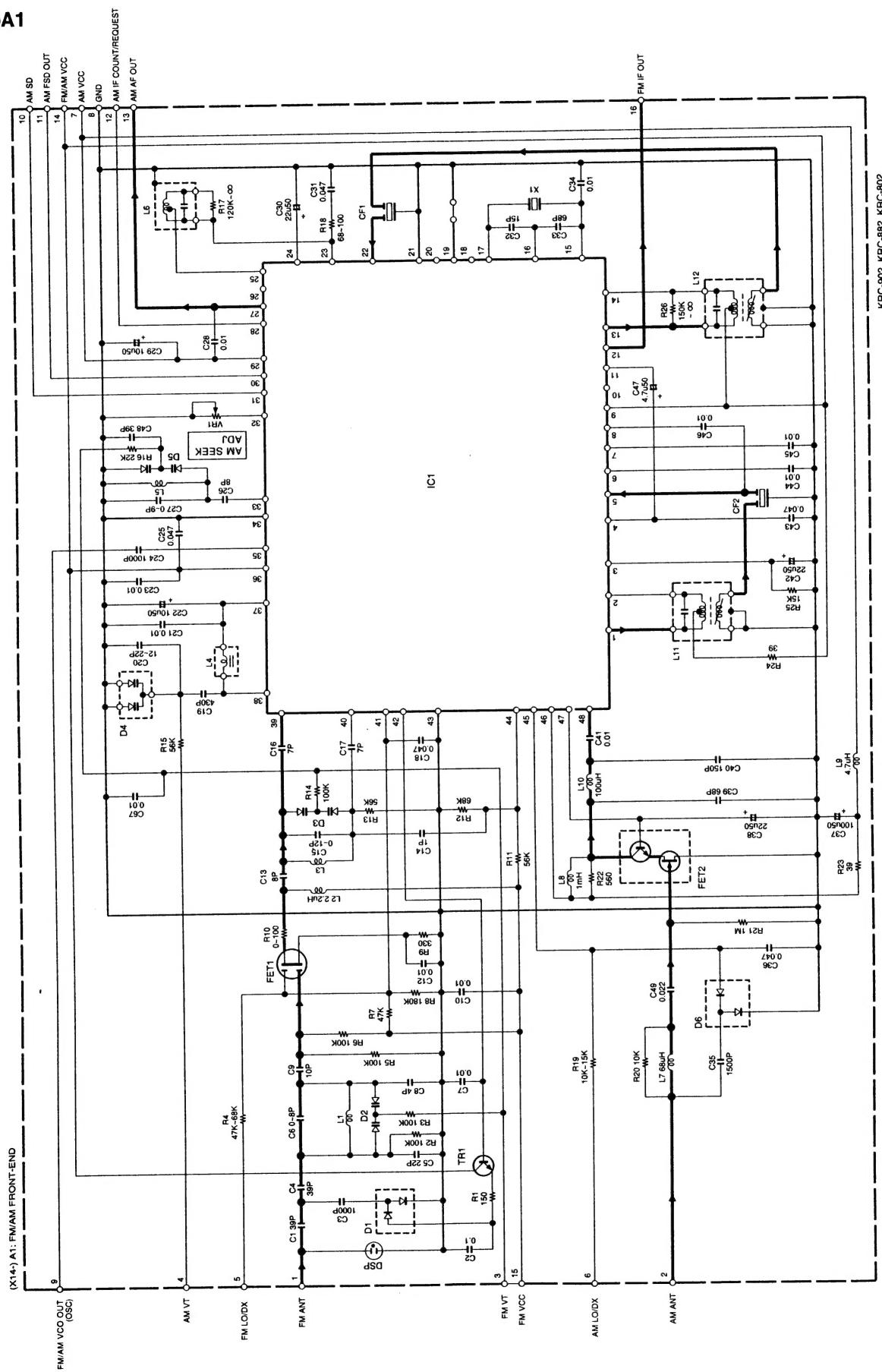


KRC-802/882/902

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FM/AM FRONT-END SCHEMATIC

(X14-)A1



KRC-802/882/902

CIRCUIT DESCRIPTION

(X14-) IC2 : MICRO COMPUTER

No.	Pin Name	I/O	Function				STBY
1	SURGE	I	Surge detection.				
2	MODE-GEAR-1	I	Retractable mechanism - frame position detection.				
3	MODE-GEAR-2	I	Retractable mechanism - shutter position detection.				
4	OPEN/CLOSE	I	Retractable mechanism - close position detection.				
5	PR-CONT	I	Retractable mechanism - presence detection.				
6	ILLUM-AM	O	Illumination - amber output.			L	
7	ILLUM-GR	O	Illumination - green output.			L	
8	LCD-OE	O	LCD driver - output enable control output.			H	
9	LCD-STB	O	LCD driver - strobe control output.			H	
10	SUB/RETRA	O	Sub-motor control switching output. (H : Retractable mechanism, L : Cassette mechanism) (※4)			L	
11	LCD-NEGA-1	O	LCD negative display control output.	Posi	L	Nega	Opposite phase to each other 250Hz Duty 50%
12	LCD-NEGA-2	O			L		
13	SUB-MOTOR-3	O	Sub-motor control output 3 (※4).				L
14	LCD-CLK	O	LCD driver - clock signal output.				H
15	LCD-KEY-REQ	I	LCD driver - key request signal input.				
16	LCD-DATA	I/O	LCD driver - data signal input/output.				H
17	MS-CTRL	O	Tape music selection sensitivity control output.				H
18	CRSC	O	CRSC ON/OFF control.				L
19	SUB-MOTOR-1	O	Sub-motor control output 1 (※4).				L
20	SUB-MOTOR-2	O	Sub-motor control output 2 (※4).				L
21	GND	-	Grounding terminal.				
22	REEL-S	I	Cassette mechanism reel pulse (supply reel) detection.				
23	REEL-T	I	Cassette mechanism reel pulse (take-up reel) detection.				
24	MODE	I	Cassette mechanism mode pulse detection.				
25	FM-SD	I	FM SD level detection (※1).				
26	AM-SD	I	AM SD level detection (※2).				
27	ACC	I	Acc input detection.				
28	AM-IFC	I	AM intermediate frequency counter input.				
29	PACK-IN	I	Cassette mechanism pack insertion detection.				
30	VDD	-	Positive power supply terminal.				
31	FM-IN	I	FM OSC input.				
32	AM-IN	I	AM OSC input.				
33	GND	-	Grounding terminal.				
34	EO-0	O	PLL LPF charge pump output.				
35	EO-1	O	Not used.				
36	TEST-0	O	Test terminal.				
37	IF-CTRL	O	AM IF count control.			L	
38	REMO +5	O	Remote control power control output. ("High" is output while Acc is ON.)			L	
39	TEST	O	Test mode judging output. ("High" is output in test mode.)			L	
40	BEEP	O	Beep output. (1.00 kHz/3.00 kHz)			L	

※1. Detection voltage of FM SD level detection terminal

- In normal modes : SD is OK if the level is 0.595 V or more.
- In test mode : SD is OK if the level is between 0.595 V and 0.654V

※2. Detection voltage of AM SD level detection terminal

- In normal and test modes : SD is OK if the level is 2.5 V or more.

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CIRCUIT DESCRIPTION

(X14-) IC2 : MICRO COMPUTER

No.	PIN NAME	I/O	FUNCTION				STBY
41	NC	-	Not used.				
42	REMO-CON	I	Remote control signal input.				
43	FWD/REV	O	Tape - EQ amp input switch.				L
44	PWIC-STBY	O	Power IC stand-by control.				L
45	METAL	O	Tape - equalizer control.				L
46	DOLBY	O	Tape - Dolby ON/OFF control output.				L
47	EQ-MUTE	I/O	Input only during reset : Tape EQ muting control output.				L
48	DOL-B/C	I/O	Input only during reset : Tape Dolby B/C switching control output (KRC-902 only).				L
49	SEL-1	I/O	Model identification during reset (※3). Pre-out switching in other modes (NF output = "H").				L
50	SEL-0	I/O	Model identification during reset (※3). "Low" output in other modes.				L
51	NC	O	Not used.				L
52	P-ON	O	System power control.				H
53	P-ANT	O	Power antenna output.				L
54	P-CON	O	Power control output.				L
55	KICK	O	Cassette mechanism protection output.				L
56	MUSIC	I	Music presence detection.				
57	SMALL	I	Small input.				
58	VALET	I	Valet input.				
59	MUTE	O	Audio muting output.				L
60	FM/AM	O	FM/AM band switching power output. (H : AM. L : FM.)				L
61	CH2-CON	O	Disc-changer 2 control.				L
62	CH1-CON	O	Disc-changer 1 control.				L
63	E-VOL-DATA	I/O	Electronic volume - data signal input/output.				L
64	E-VOL-CLK	O	Electronic volume - clock signal output.				L
65	REQ-C	I	Communication handshake request from disc-CH. DISC-CH => Head unit.				
66	REQ-H	O	Communication handshake request, send request. Head unit => DISC-CH.				H
67	MOTOR	O	Cassette mechanism main motor control.				L
68	CH-CLK	I	DISC-CH - clock signal input. DISC-CH => Head unit.				
69	DATA-H	O	DISC-CH - data signal output. Head unit => DISC-CH.				L
70	DATA-C	I	DISC-CH - data signal input. DISC-CH => Head unit.				
71	PACK-DET	I	Cassette mechanism - cassette shell presence detection.				
72	STBY	I	Cassette mechanism - stand-by position detection.				
73	OPEN-SW	I	Retractable mechanism - forced open switch input.				
74	VREF	-	CPU regulator output terminal.				
75	GND	-	Grounding terminal.				
76	X-OUT	O	Crystal oscillator connection terminals.				
77	X-IN	I					
78	BACK-UP	I	Momentary power-down detection. (L : B.U. OFF.)				
79	VDD1	-	Positive power supply terminal.				
80	RESET	I	Reset switch detection.				

※3. Model identification

Model	SEL-1	SEL-2
KRC-902	H	L
KRC-882	L	H
KRC-802	L	H

※4. Sub-motor control logic

	SUB/RETRA	SUB-MOTOR-1	SUB-MOTOR-2	SUB-MOTOR-3
C mechanism forward	L	H	L	L
C mechanism reverse	L	H	L	H
Retractable mechanism forward	H	L	H	H
Retractable mechanism reverse	H	L	H	L
Motor stop	L	L	L	L

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CIRCUIT DESCRIPTION

INITIAL SETTING METHOD

• Caution in switching power ON

When the retractable mechanism is not in the closed state during reset start operation, the retractable mechanism starts to operate.

To avoid the operation of the retractable mechanism when switching power ON while it is in the open state, set the "REQ C" and "CH CLK" terminals of the 13-pin Changer connector to the "Low" levels.

• Destination switching method

The FM/AM frequency steps can be switched (between 200 kHz/10 kHz and 50 kHz/9 kHz) by resetting the unit while holding the "1" and "5" keys depressed.

To return to the original destination, just reset the unit.

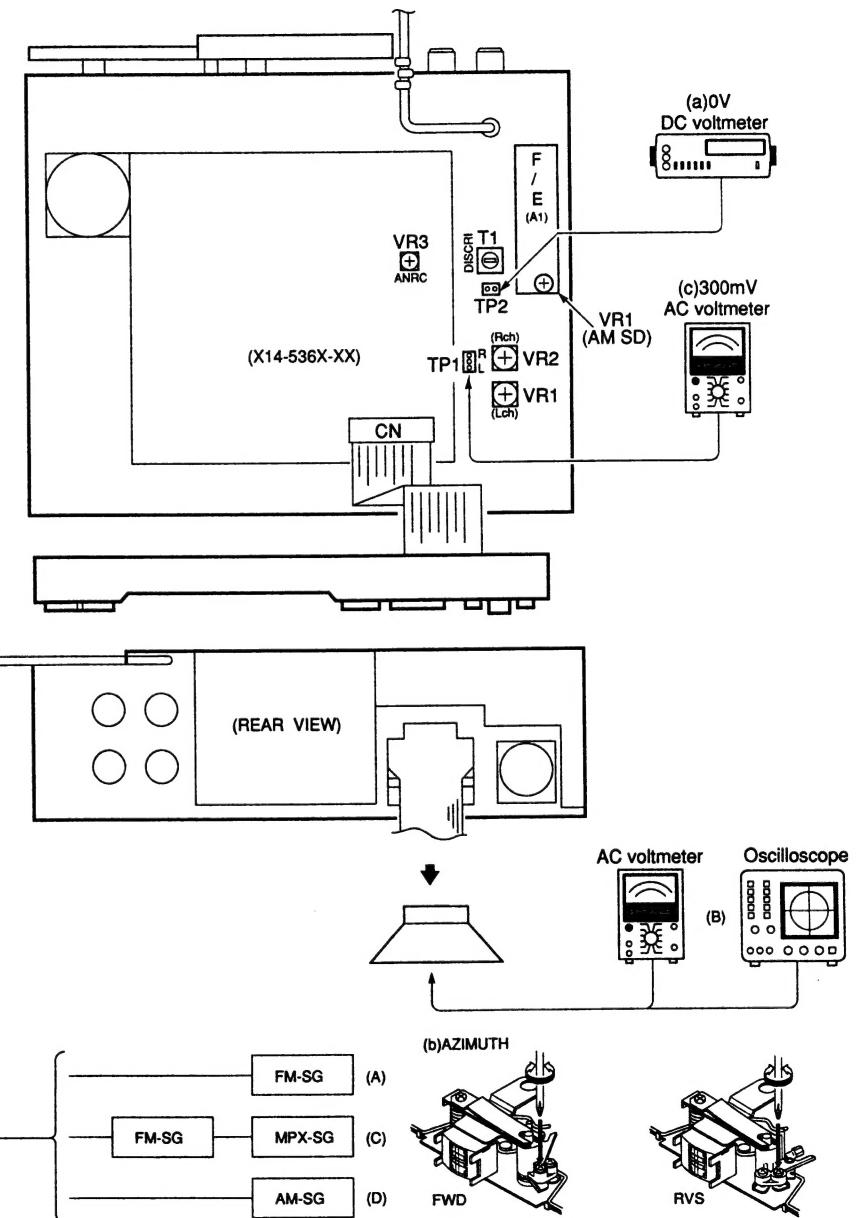
TEST MODE

To enter the test mode, reset the unit while holding the "FM" and "4" keys depressed.

In the test mode, the output from pin 39 is "High" so the temperature protection of the Power IC is inhibited.

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ADJUSTMENT



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ADJUSTMENT

Set the controls and switches as follows.

BALANCE : center position	LOUD : OFF	LOCAL : OFF
FADER : center position	T.ADV : OFF	AUTO : OFF
BASS : center position	METAL : OFF	
TREBLE : center position	DOLBY NR. : OFF	

No.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	TUNER (RECEIVER) SETTINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.
FM SECTION							
1	DISCRIMINATOR	(A) 98.1MHz 0dev 60dBu(ANT input)	Connect a DC voltmeter to TP2.	FM 98.1MHz	T1 (X14)	0V	(a)
2	ANRC	(C) 98.1 MHz 1kHz, ±67kHz dev. Pilot : ±7.5kHz dev. Selector : L or R 35dBu(ANT input)	(B)	FM 98.1MHz	VR3 (X14-)	Separation 10dB	
AM SECTION							
(1)	SIGNAL METER (STOP LEVEL)	(D) 990kHz 0% mode 35dBu(ANT INPUT)	-	AM 990kHz	VR1 (A1 in X14)	Stop	
CASSETTE DECK SECTION							
[1]	AZIMUTH	MTT-114 10kHz	(B)	TAPE PLAY	Head Azimuth Screw	Adjust the azimuth for each L ch/R ch or FWD/RVS becomes maximum.	(b)
[2]	PLAY-BACK LEVEL	MTT-150	Connect an AC voltmeter to TP1.	TAPE PLAY	VR1(L) VR2(R) (X14)	300mV	(c)

*Test mode : Press the "RESET" key while holding the "FM" and "4" keys depressed.(All of the LCD elements light.)

Then, press the "SOURCE" key.

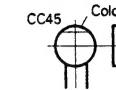
To quit : Power OFF.

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PARTS DESCRIPTIONS

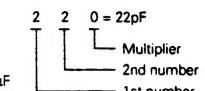
CAPACITORS CC 45 TH 1H 220 J

1 = Type ... ceramic, electrolytic, etc.
2 = Shape ... round, square, ect.
3 = Temp. coefficient



• Capacitor value

010 = 1pF
100 = 10pF
101 = 100pF
102 = 1000pF = 0.001μF
103 = 0.01μF



• Temperature coefficient

1st Word	C	L	P	R	S	T	U
Color*	Black	Red	Orange	Yellow	Green	Blue	Violet
ppm/°C	0	-80	-150	-220	-330	-470	-750

2nd Word	G	H	J	K	L
ppm/°C	±30	±60	±120	±250	±500

Example : CC45TH = -470 ± 60ppm/°C

(Less than 10pF)

Code	B	C	D	F	G
(pF)	±0.1	±0.25	±0.5	±1	±2

• Tolerance (More than 10pF)

Code	C	D	G	J	K	M	X	Z	P	No code
(%)	±0.25	±0.5	±2	±5	±10	±20	+40	+80	+100	More than 10pF -10 ~ +50

(-20 -20 -0)

Less than 4.7μF -10 ~ +75

• Voltage rating

2nd word	A	B	C	D	E	F	G	H	J	K	V
1st word											
0	1.0	1.25	1.6	2.0	2.5	3.15	4.0	5.0	6.3	8.0	-
1	10	12.5	16	20	25	31.5	40	50	63	80	35
2	100	125	160	200	250	315	400	500	630	800	-
3	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	-

• Chip capacitors

(Ex)	C	C	7	3	F	S	L	1	H	0	0	J
	1	2	3	4	5	6	7					

(Refer to the table above.)

(Chip) (CH, RH, UJ, SL)

(Ex)	C	K	7	3	F	F	1	H	0	0	0	Z
	1	2	3	4	5	6	7					

(Chip) (B, F)

• Resistors

• Chip resistor (Carbon)
(Ex)
R K 7 3 E B 2 B 0 0 0 J

1 2 3 4 5 6 7

(Chip) (B, F)

• Carbon resistor (Normal type)

(Ex)	R	D	1	4	B	B	2	C	0	0	0	J
	1	2	3	4	5	6	7					

1 = Type

2 = Shape

3 = Dimension

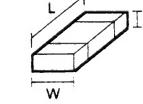
4 = Temp. coefficient

5 = Rating wattage

6 = Value

7 = Tolerance

Dimension



Dimension (Chip resistor)

Dimension code	L	W	T
E	5.6 ± 0.5	5.0 ± 0.5	Less than 2.0
A	4.5 ± 0.5	3.2 ± 0.4	Less than 2.0
B	4.5 ± 0.5	2.0 ± 0.3	Less than 2.0
C	4.5 ± 0.5	1.25 ± 0.2	Less than 1.25
D	3.2 ± 0.4	2.5 ± 0.3	Less than 1.5
E	3.2 ± 0.2	1.6 ± 0.2	Less than 1.25
F	2.0 ± 0.3	1.25 ± 0.2	Less than 1.25
G	1.6 ± 0.2	0.8 ± 0.2	Less than 1.0

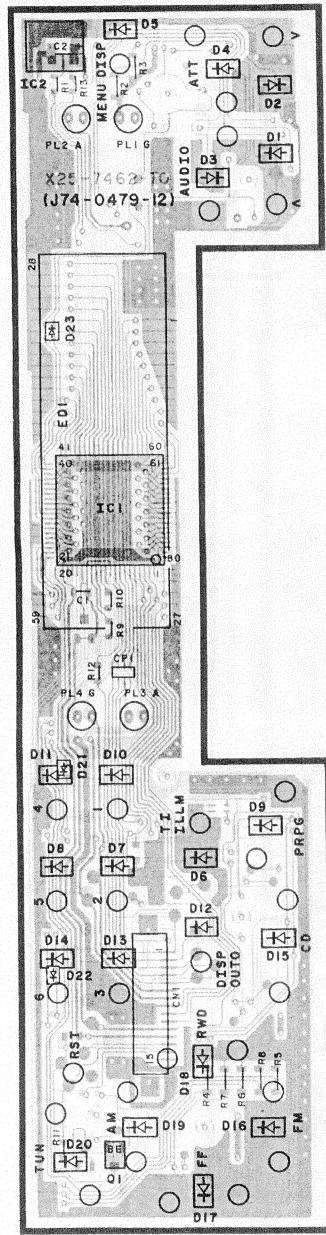
Rating wattage

Code	Wattage	Code	Wattage	Code	Wattage
1J	1/16W	2C	1/6W	3A	1W
2A	1/10W	2E	1/4W	3D	2W
2B	1/8W	2H	1/2W		

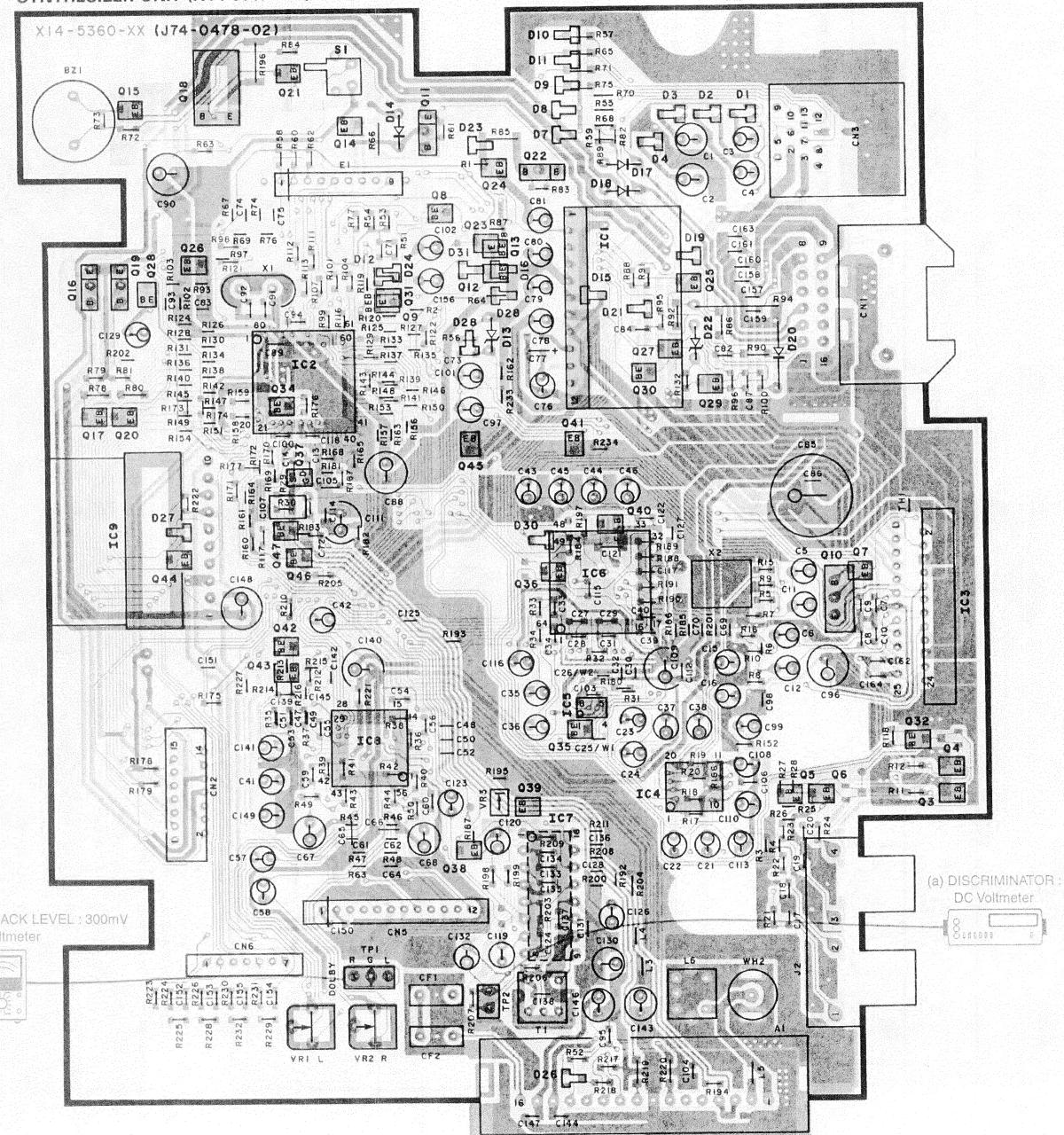
PC BOARD (Component side view)

A B C D E F G H I J

SWITCH UNIT (X25-7462-70)

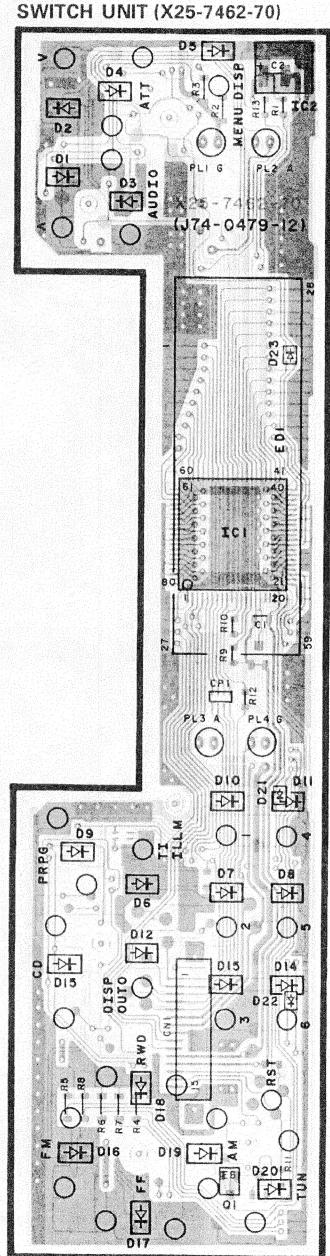
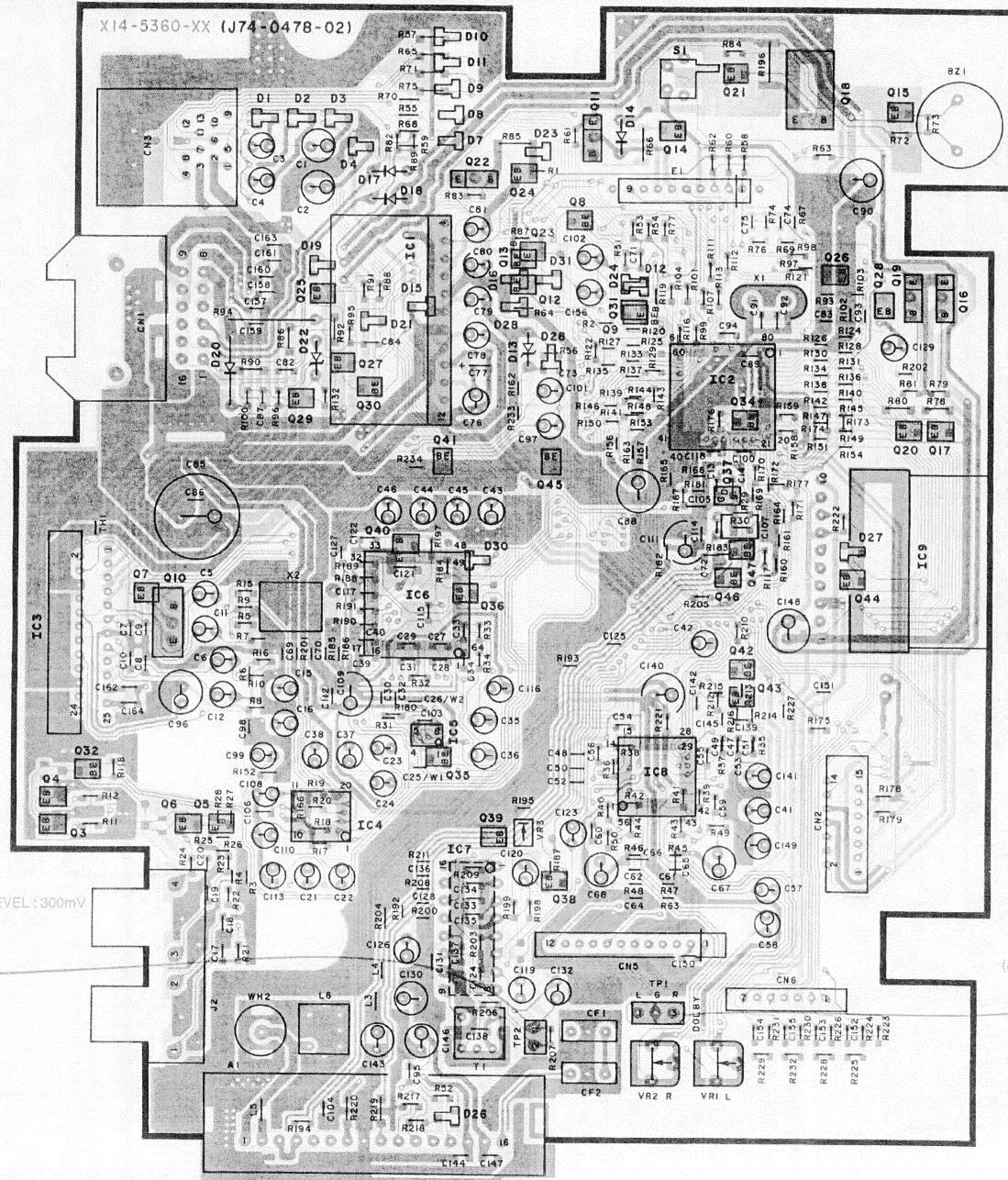


SYNTHESIZER UNIT (X14-536X-XX) 0-10:902, 0-11:802, 0-21:882



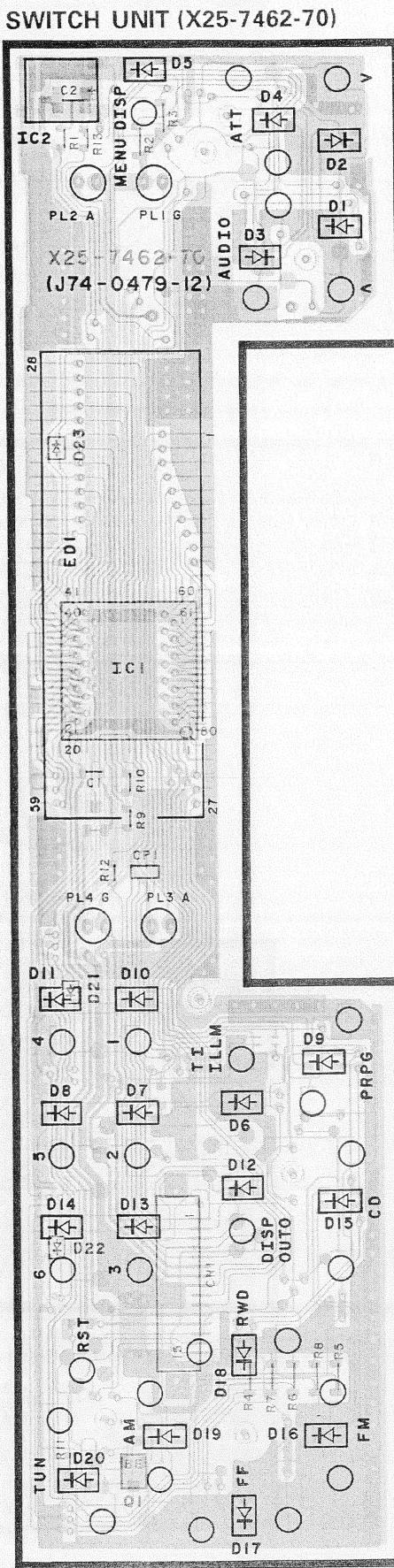
PC BOARD (Foil side view)

SYNTHESIZER UNIT (X14-536X-XX) 0-10:902, 0-11:802, 0-21:882

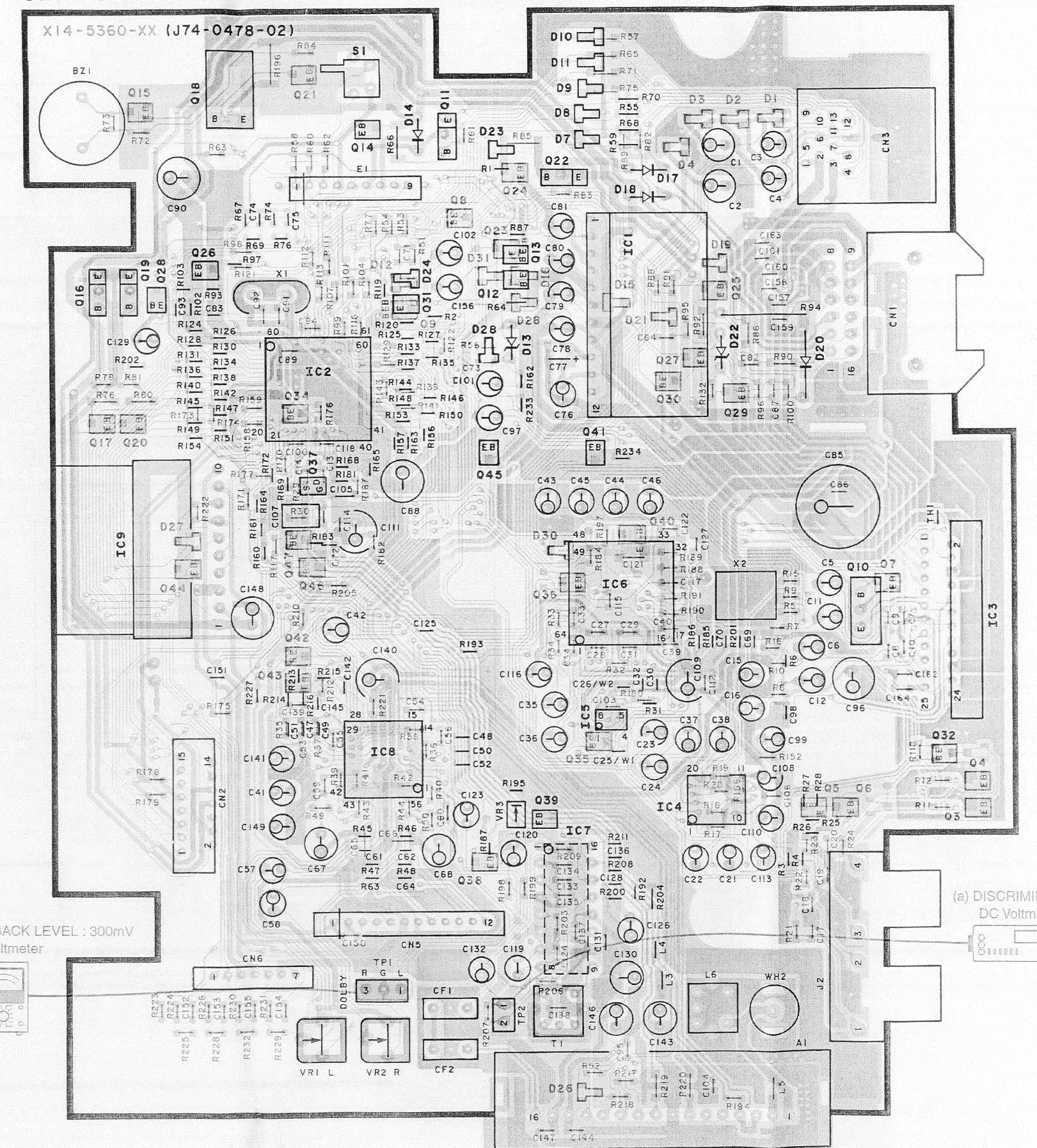


Refer to the schematic diagram for the values of resistors and capacitors.

PC BOARD (Component side view)

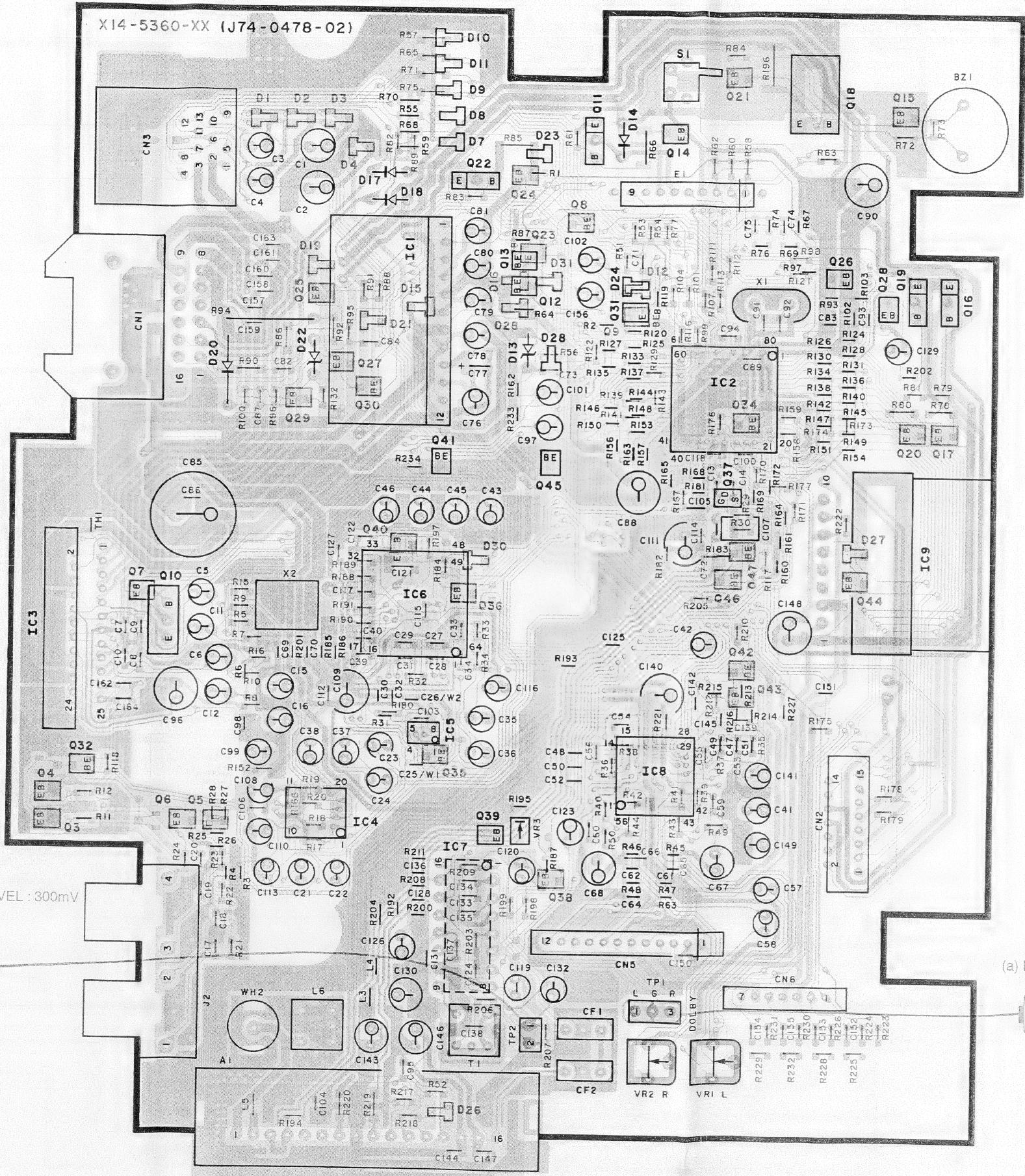


SYNTHESIZER UNIT (X14-536X-XX) 0-10:902, 0-11:802, 0-21:882



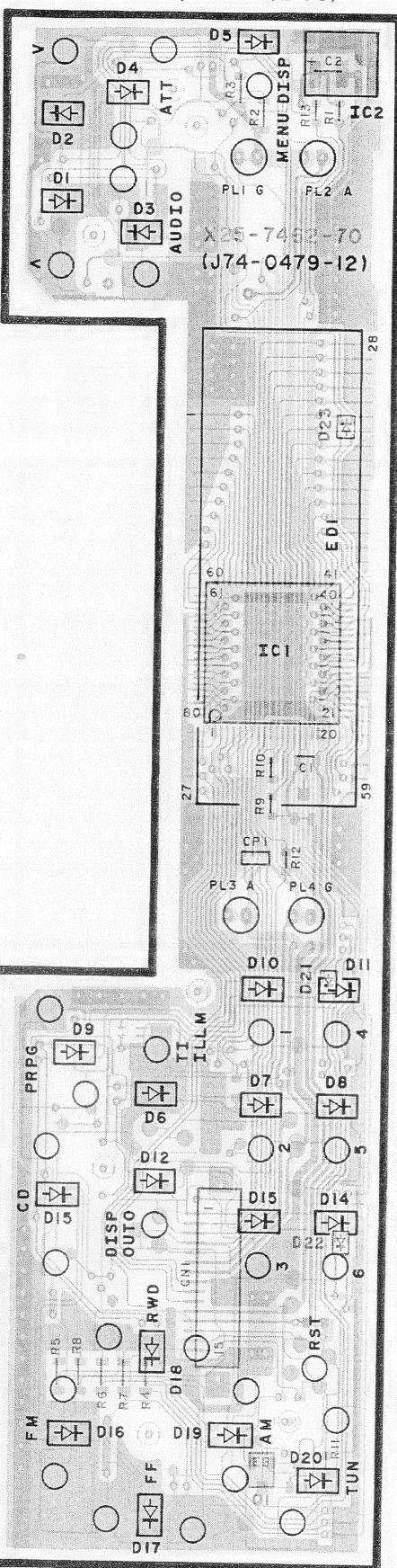
PC BOARD (Foil side view)

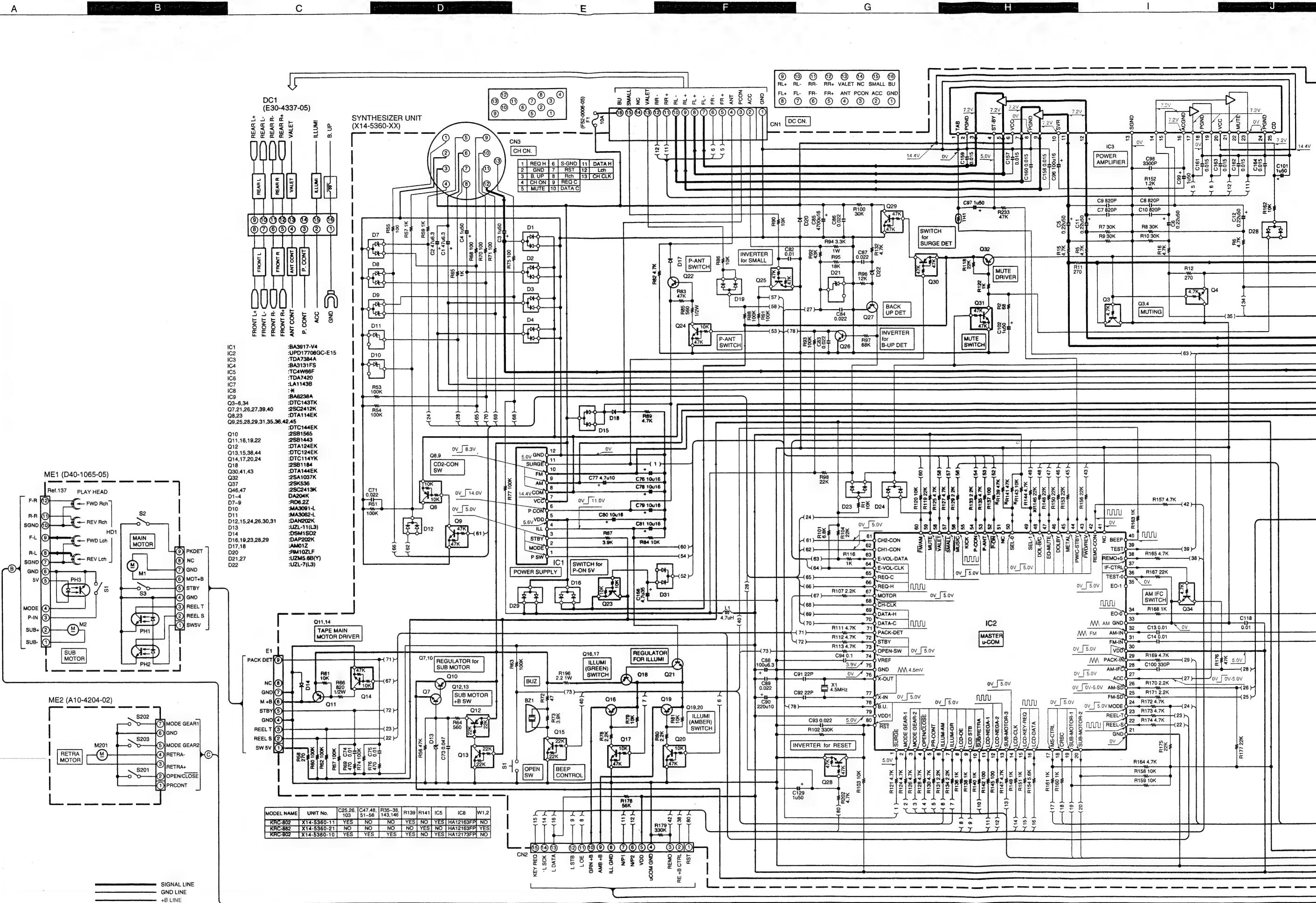
SYNTHESIZER UNIT (X14-536X-XX) 0-10:902, 0-11:802, 0-21:882

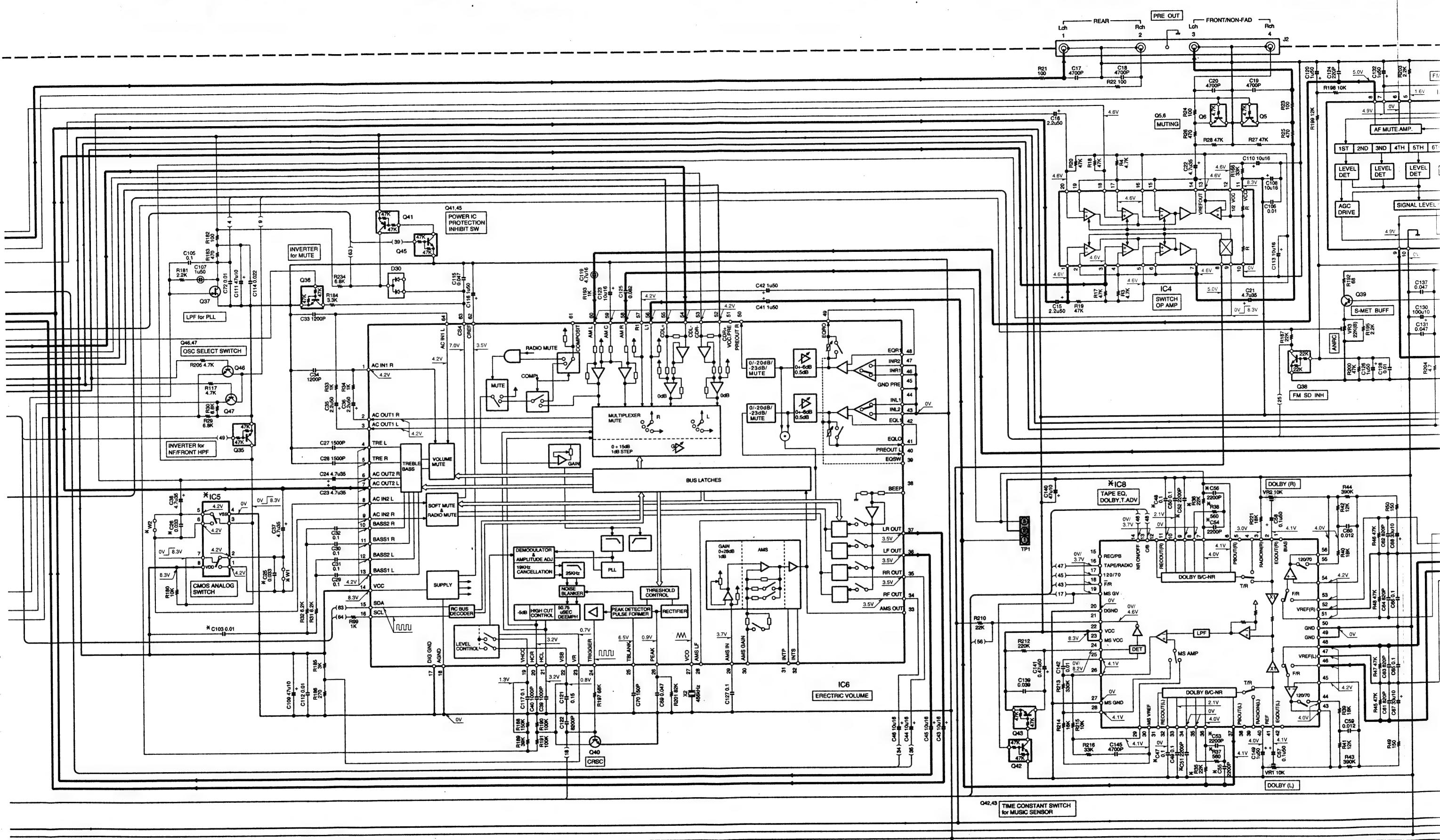


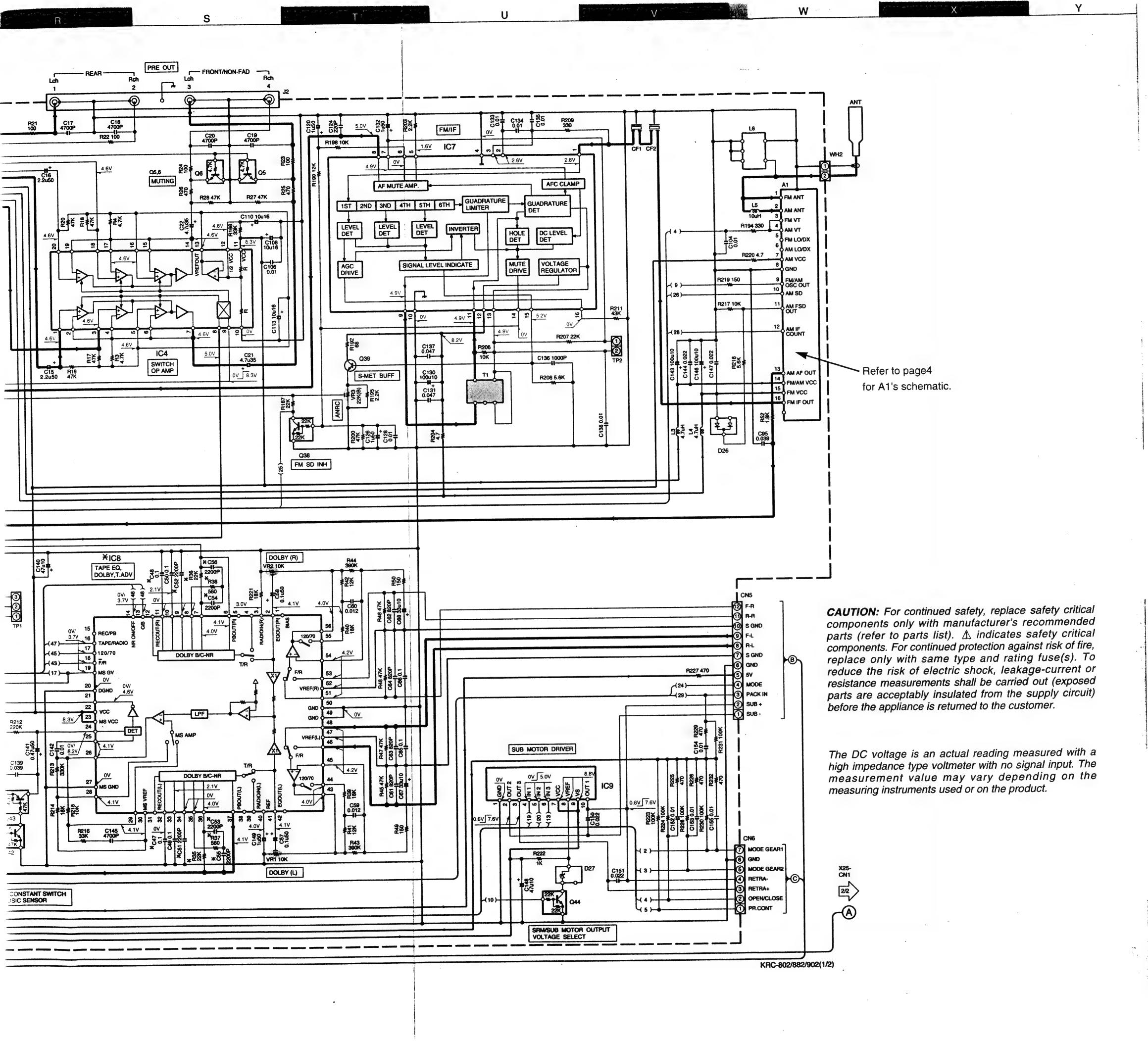
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SWITCH UNIT (X25-7462-70)

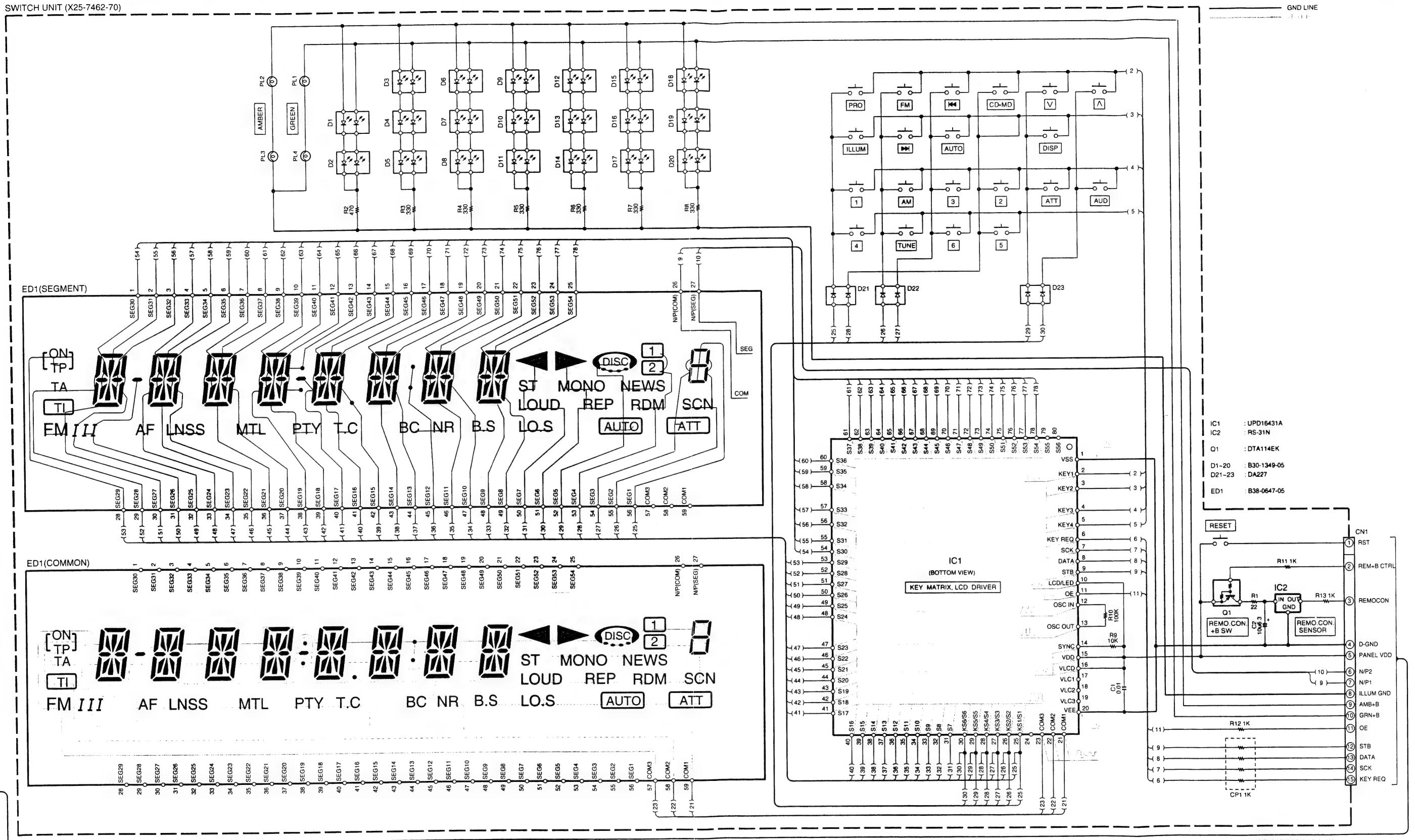








SWITCH UNIT (X25-7462-70)

X14-CN3
1/2
A

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). 1. indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuses. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

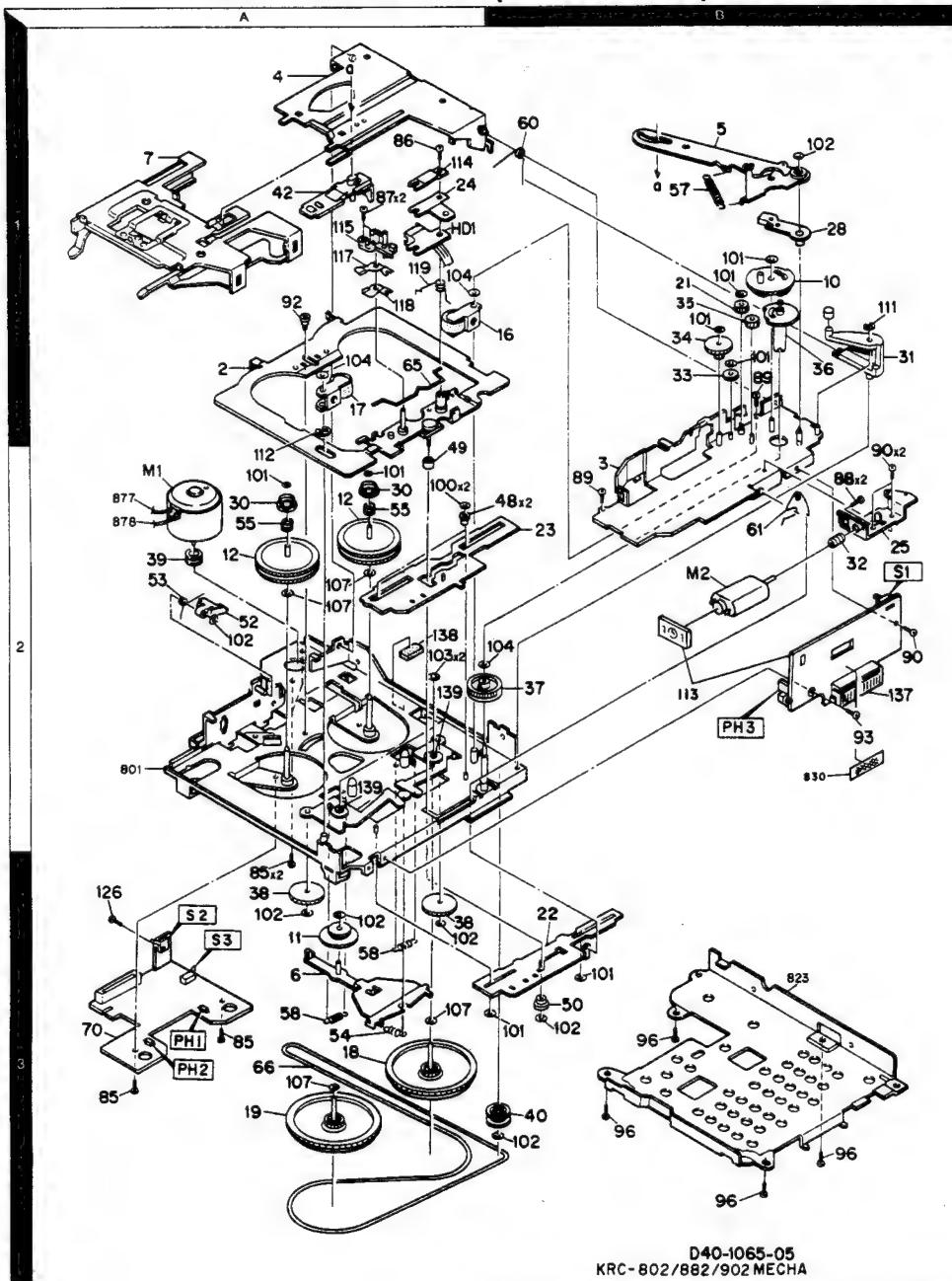
The DC voltage is an actual reading measured with a high impedance type voltmeter with no signal input. The measurement value may vary depending on the measuring instruments used or on the product.

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KRC-802/882/902

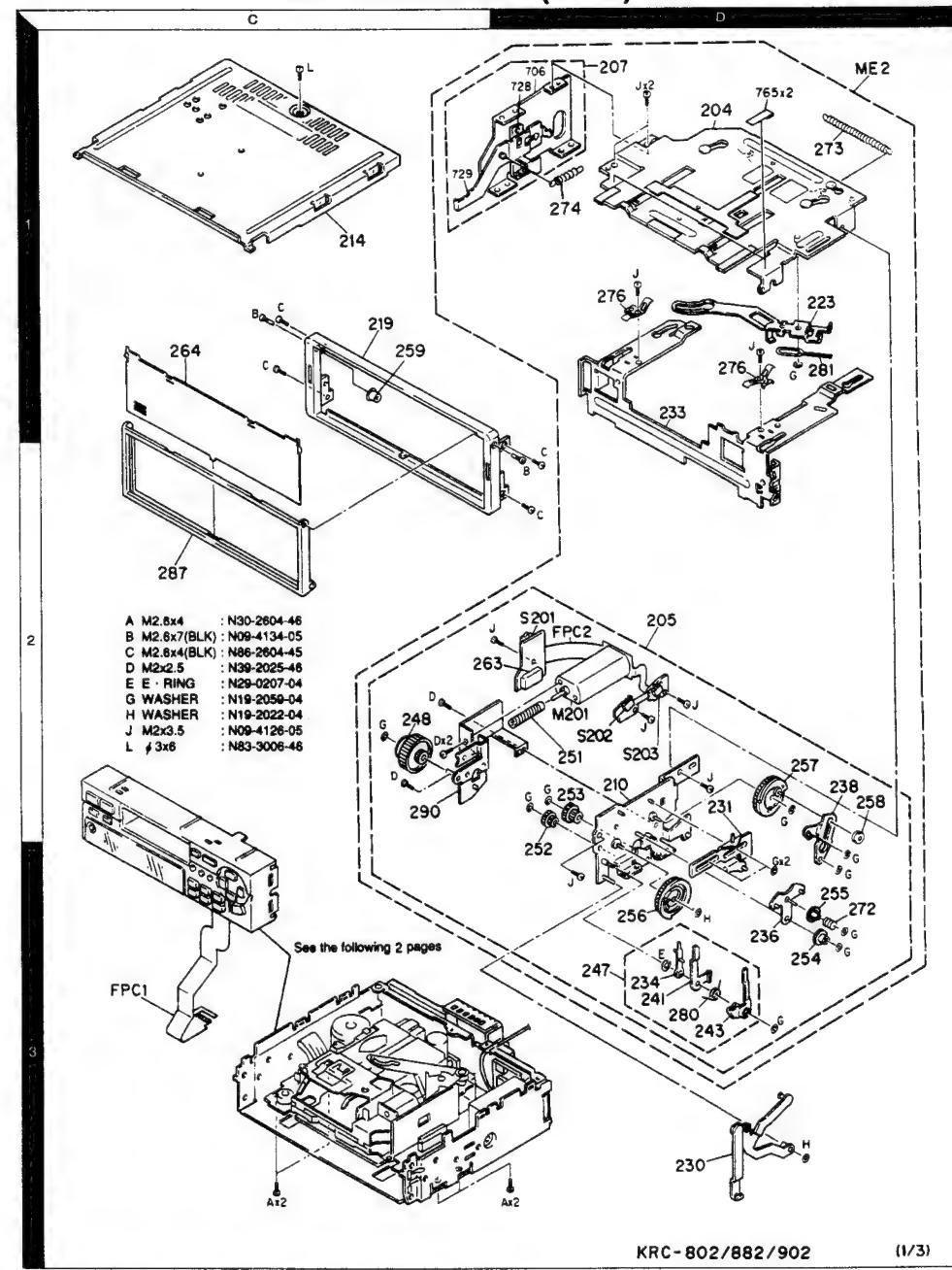
EXPLODED VIEW(MECHANISM)



Parts with the exploded numbers larger than 700 are not supplied.

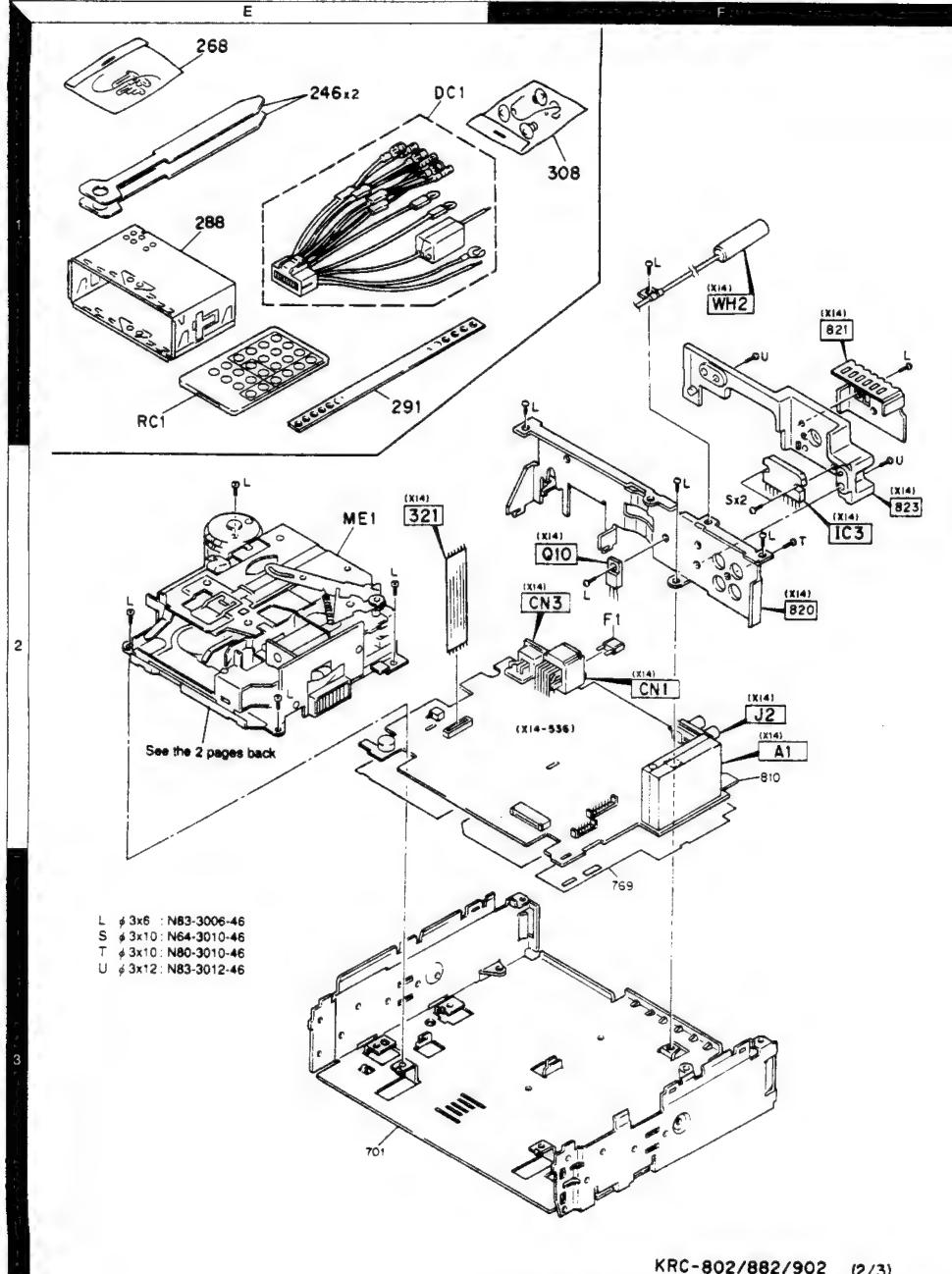
KRC-802/882/902

EXPLODED VIEW(UNIT)

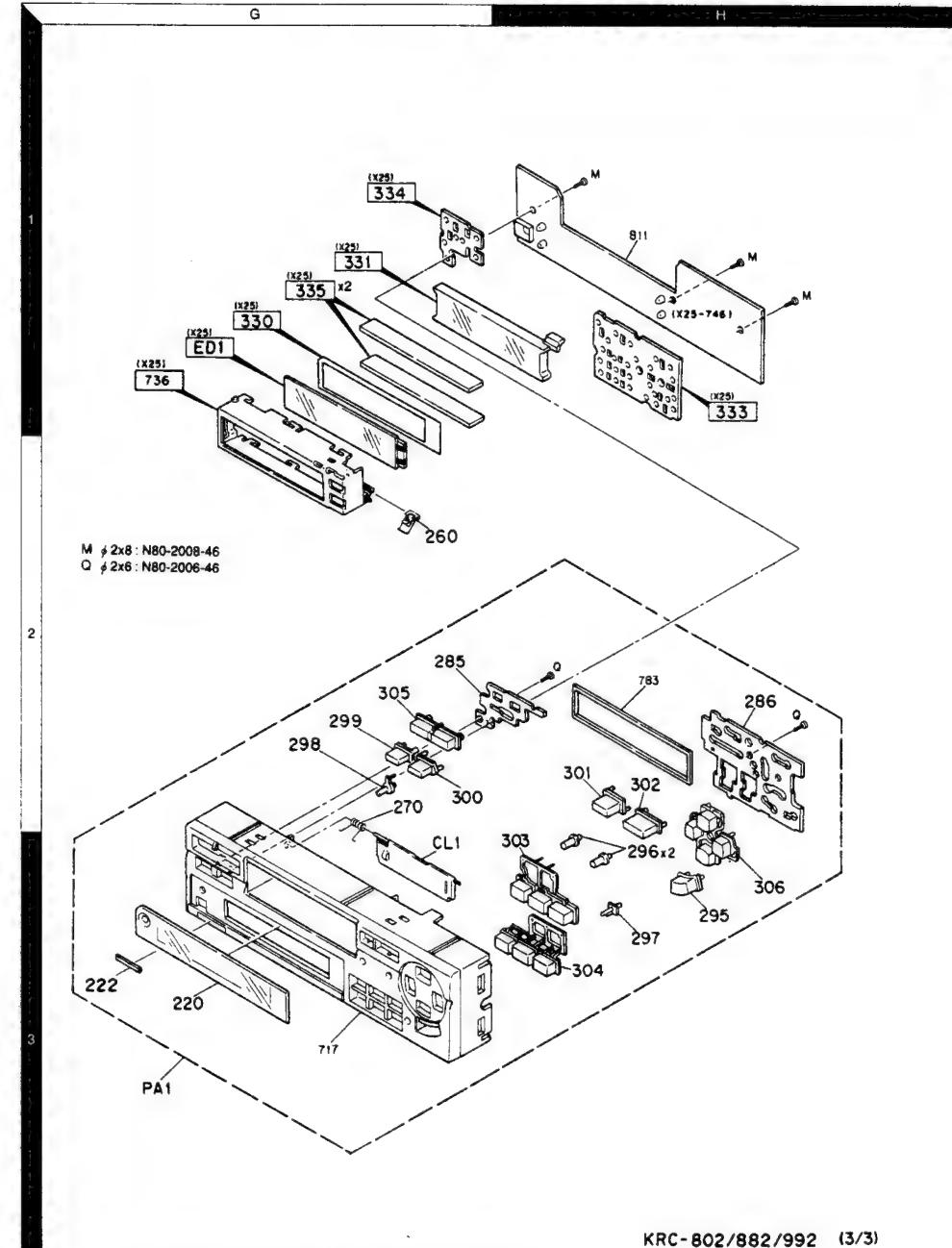


Parts with the exploded numbers larger than 700 are not supplied.

EXPLODED VIEW(UNIT)



EXPLODED VIEW(UNIT)



KRC-802/882/902

PARTS LIST

***New Parts**
Parts without Part No. are not supplied

Les articles non mentionnés dans le Parts No. ne sont pas fournis.

Teile ohne Part No. werden nicht geliefert.

Tell us the Part No. we own right below.

E: Europe K: North America M: Other Areas

W: Without Europe

 indicates safety critical components.

KRC-802/882/902

PARTS LIST

*New Parts

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▲ indicates safety-critical components

PARTS LIST

PARTS LIST

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Teile ohne Parts No. werden nicht geliefert.				Destination (X14-5360-xx)				Destination			
Ref.No.	A nd e d w	N o. Psrt s No.	Description	Model Name KRC- s	D e s t i n t i o n s	A nd e d w	N o. Psrt s No.	Description	Model Name KRC- s		
CN1	2F	E58-0836-05	RECTANGULAR RECEPTACLE(CC)		R65	RK73FB2B102J	CHIP R	1.0K	J	1/BW	
CN2		E40-9399-05	FLAT CABLE CONNECTOR		R66	RK73FB2023-05	CHIP R	820	J	1/2W	
CN3	2F	E56-0809-05	CYLINDRICAL RECEPTACLE		R67	RK73FB2A104J	CHIP R	100K	J	1/10W	
CN5		E40-5452-05	PIN ASSY		R68	RK73FB2B101J	CHIP R	100	J	1/BW	
CN6		E40-9400-05	PIN ASSY		R69	RK73FB2A471J	CHIP R	470	J	1/10W	
J2	2F	E63-0828-05	PHONO JACK (4P, RCA)		R70, 71	RK73FB2B101J	CHIP R	100	J	1/BW	
TP1		E40-9184-05	PIN ASSY		R72	RK73FB2A470J	CHIP R	47	J	1/10W	
TP2		E40-3640-05	PIN ASSY		R73	RK73FB2A392J	CHIP R	3.9K	J	1/10W	
WH2	1F	E30-4136-05	CORD WITH PLUG (ANTENNA)		R74	RK73FB2A104J	CHIP R	100K	J	1/10W	
CF1, 2		L72-0723-05	CERAMIC FILTER		R75	RK73FB2B101J	CHIP R	100	J	1/BW	
L1		L40-4795-34	FIXED INDUCTOR (4.7uH)		R76	RK73FB2A471J	CHIP R	470	J	1/10W	
L3, 4		L40-4795-34	FIXED INDUCTOR (4.7uH)		R77	RK73FB2A104J	CHIP R	100K	J	1/10W	
L5		L40-1005-34	FIXED INDUCTOR (10uH)		R78	RK73FB2B222J	CHIP R	2.2K	J	1/BW	
L6		L33-1039-05	LINE FILTER COIL (52mH)		R79	RK73FB2A103J	CHIP R	10K	J	1/10W	
T1		L30-0462-15	FM IFT		R80	RK73FB2B222J	CHIP R	2.2K	J	1/BW	
X1		L77-1163-05	CRYSTAL RESONATOR (4.5MHz)		R81	RK73FB2A103J	CHIP R	10K	J	1/10W	
X1		L77-1165-05	CRYSTAL RESONATOR (4.5MHz)		R82	RK73FB2A472J	CHIP R	4.7K	J	1/10W	
X2		L78-0545-05	RESONATOR (45MHz)		R83	RK73FB2A473J	CHIP R	47K	J	1/10W	
L	2F	N83-3006-46	PAN HEAD TAPTIKE SCREW		R84	RK73FB2A103J	CHIP R	10K	J	1/10W	
S		N64-3010-46	PAN HEAD SEMS SCREW		R85	R92-2018-05	CHIP R	560	J	1/2W	
T	2F	N80-3010-46	PAN HEAD TAPTIKE SCREW		R86	RK73FB2B103J	CHIP R	10K	J	1/BW	
U	1F	N83-3012-46	PAN HEAD TAPTIKE SCREW		R87	RK73FB2A392J	CHIP R	3.9K	J	1/10W	
R1		RK73FB2A103J	CHIP R	10K	J	1/10W					
R2		RK73FB2A686J	CHIP R	68	J	1/10W					
R3, -6		RK73FB2A472J	CHIP R	4.7K	J	1/10W					
R7, -10		RK73FB2A303J	CHIP R	30K	J	1/10W					
R11, 12		RK73FB2A271J	CHIP R	270	J	1/10W					
R15, 16		RK73FB2A472J	CHIP R	4.7K	J	1/10W					
R17, -20		RK73FB2A443J	CHIP R	47K	J	1/10W					
R21, -24		RK73FB2A101J	CHIP R	100	J	1/10W					
R25, 26		RK73FB2A471J	CHIP R	470	J	1/10W					
R27, 28		RK73FB2A473J	CHIP R	47K	J	1/10W					
R29, 30		RK73FB2A682J	CHIP R	6.8K	J	1/10W					
R31, 32		RK73FB2A622J	CHIP R	6.2K	J	1/10W					
R33, 34		RK73FB2A102J	CHIP R	1.0K	J	1/10W					
R35, 36		RK73FB2A223J	CHIP R	22K	J	1/10W					
R37, 38		RK73FB2A561J	CHIP R	560	J	1/10W					
R39, 40		RK73FB2A183J	CHIP R	18K	J	1/10W					
R41, 42		RK73FB2A123J	CHIP R	12K	J	1/10W					
R43, 44		RK73FB2A394J	CHIP R	390K	J	1/10W					
R45, 48		RK73FB2A473J	CHIP R	47K	J	1/10W					
R49, 50		RK73FB2A151J	CHIP R	150	J	1/10W					
R51		RK73FB2A104J	CHIP R	100K	J	1/10W					
R52		RK73FB2A182J	CHIP R	1.8K	J	1/10W					
R53, 54		RK73FB2A104J	CHIP R	100K	J	1/10W					
R55		RK73FB2B101J	CHIP R	100	J	1/BW					
R56		RK73FB2A473J	CHIP R	47K	J	1/10W					
R57		RK73FB2B102J	CHIP R	1.0K	J	1/BW					
R58		RK73FB2A271J	CHIP R	270	J	1/10W					
R59		RK73FB2B102J	CHIP R	1.0K	J	1/BW					
R60		RK73FB2A104J	CHIP R	100K	J	1/10W					
R61		RK73FB2A103J	CHIP R	10K	J	1/10W					
R62, 53		RK73FB2A104J	CHIP R	100K	J	1/10W					
R64		RK73FB2B561J	CHIP R	560	J	1/BW					
R65		RK73FB2A471J	CHIP R	470	J	1/10W					
R66		RK73FB2A472J	CHIP R	4.7K	J	1/10W					
R67		RK73FB2A473J	CHIP R	47K	J	1/10W					
R68		RK73FB2A222J	CHIP R	2.2K	J	1/10W					
R69		RK73FB2A472J	CHIP R	4.7K	J	1/10W					
R70		RK73FB2A222J	CHIP R	2.2K	J	1/10W					
R71		RK73FB2A472J	CHIP R	4.7K	J	1/10W					
R72		RK73FB2A222J	CHIP R	2.2K	J	1/10W					
R73		RK73FB2A472J	CHIP R	4.7K	J	1/10W					
R74		RK73FB2A222J	CHIP R	2.2K	J	1/10W					
R75		RK73FB2A472J	CHIP R	4.7K	J	1/10W					
R76		RK73FB2A222J	CHIP R	2.2K	J	1/10W					
R77		RK73FB2A472J	CHIP R	4.7K	J	1/10W					
R78		RK73FB2A222J	CHIP R	2.2K	J	1/10W					
R79		RK73FB2A472J	CHIP R	4.7K	J	1/10W					
R80		RK73FB2A222J	CHIP R	2.2K	J	1/10W					
R81		RK73FB2A472J	CHIP R	4.7K	J	1/10W					
R82		RK73FB2A222J	CHIP R	2.2K	J	1/10W					
R83		RK73FB2A472J	CHIP R	4.7K	J	1/10W					
R84		RK73FB2A222J	CHIP R	2.2K	J	1/10W					
R85		RK73FB2A472J	CHIP R	4.7K	J	1/10W					
R86		RK73FB2A222J	CHIP R	2.2K	J	1/10W					
R87		RK73FB2A472J	CHIP R	4.7K	J	1/10W					
R88		RK73FB2A222J	CHIP R	2.2K	J	1/10W					
R89		RK73FB2A472J	CHIP R	4.7K	J	1/10W					
R90		RK73FB2A222J	CHIP R	2.2K	J	1/10W					
R91		RK73FB2A472J	CHIP R	4.7K	J	1/10W					
R92		RK73FB2A222J	CHIP R	2.2K	J	1/10W					
R93		RK73FB2A472J	CHIP R	4.7K	J	1/10W					
R94		RK73FB2A222J	CHIP R	2.2K	J	1/10W					
R95		RK73FB2A472J	CHIP R	4.7K	J	1/10W					
R96		RK73FB2A123J	CHIP R	12K	J	1/10W					
R97		RK73FB2A683J	CHIP R	68K	J	1/10W					
R98		RK73FB2A223J	CHIP R	22K	J	1/10W					
R99		RK73FB2A102J	CHIP R	1.0K	J	1/10W					
R100		RK73FB2A303J	CHIP R	30K	J	1/10W					
R101		RK73FB2A682J	CHIP R	6.8K	J	1/10W					
R102		RK73FB2A334J	CHIP R	330K	J	1/10W					
R103		RK73FB2A103J	CHIP R	10K	J	1/10W					
R104		RK73FB2A223J	CHIP R	22K	J	1/10W					
R105		RK73FB2A222J	CHIP R	2.2K	J	1/10W					
R106		RK73FB2A472J	CHIP R	4.7K	J	1/10W					
R107		RK73FB2A222J	CHIP R	2.2K	J	1/10W					
R108		RK73FB2A472J	CHIP R	4.7K	J	1/10W					
R109		RK73FB2A222J	CHIP R	2.2K	J	1/10W					
R110		RK73FB2A472J	CHIP R	4.7K	J	1/10W					
R111-113		RK73FB2A472J	CHIP R	4.7K	J	1/10W					
R114		RK73FB2A102J	CHIP R	1.0K	J	1/10W					
R115		RK73FB2A472J	CHIP R	4.7K	J	1/10W					
R116		RK73FB2A223J	CHIP R	22K	J	1/10W					
R117		RK73FB2A223J	CHIP R	10K	J	1/10W					
R118, 119		RK73FB2A102J	CHIP R	1.0K	J	1/10W					
R120		RK73FB2A472J	CHIP R	4.7K	J	1/10W					
R121		RK73FB2A472J	CHIP R	4.7K	J	1/10W					
R122		RK73FB2A472J	CHIP R	4.7K	J	1/10W					
R123		RK73FB2A472J	CHIP R	4.7K	J	1/10W					
R124-128		RK73FB2A223J	CHIP R	2.2K	J	1/10W					
R125		RK73FB2A223J	CHIP R	2.2K	J	1/10W					
R126		RK73FB2A223J	CHIP R	2.2K	J	1/10W					
R127		RK73FB2A223J	CHIP R	2.2K	J	1/10W					
R128		RK73FB2A223J	CHIP R	2.2K	J	1/10W					
R129		RK73FB2A472J	CHIP R	4.7K	J	1/10W					
R130		RK73FB2A472J	CHIP R	4.7K	J	1/10W					
R131		RK73FB2A222J	CHIP R	2.2K	J	1/10W					
R132		RK73FB2A472J	CHIP R	4.7K	J	1/10W					
R133, 134		RK73FB2A222J	CHIP R	2.2K	J	1/10W					
R135		RK73FB2A472J	CHIP R	4.7K	J	1/10W					
R136		RK73FB2A222J	CHIP R	1.0K	J	1/10W					

***New Parts**
Parts without Part No. are not supplied.
Les articles non mentionnés dans le Part No. ne sont pas fournis.
Teile ohne Parts No. werden nicht geliefert.

Teile ohne Parts No. werden nicht geliefert.				Destination		(X14-5360-xx)		Destination		Model	
Ref.No.	A N d e d w	Parts No.	Description	Model Name KRC- s	D e s	Ref.No.	A N d e d w	Parts No.	Description	Model Name KRC- s	
R137		RK73FB2A101J	CHIP R 100 J 1/10W			R199		RK73FB2A123J	CHIP R 12K J 1/10W		
R138		RK73FB2A102J	CHIP R 1.0K J 1/10W			R200		RK73FB2A473J	CHIP R 47K J 1/10W		
R139		RK73FB2A473J	CHIP R 47K J 1/10W	802 K		R201		RK73FB2A823J	CHIP R 82K J 1/10W		
R139		RK73FB2A473J	CHIP R 47K J 1/10W	902 K		R202		RK73FB2A472J	CHIP R 4.7K J 1/10W		
R140		RK73FB2A102J	CHIP R 1.0K J 1/10W			R203		RK73FB2A222J	CHIP R 2.2K J 1/10W		
R141		RK73FB2A473J	CHIP R 47K J 1/10W	882 M		R204		RK73FB2A84R7J	CHIP R 4.7 J 1/8W		
R142		RK73FB2A101J	CHIP R 100 J 1/10W			R205		RK73FB2A472J	CHIP R 4.7K J 1/10W		
R143		RK73FB2A103J	CHIP R 10K J 1/10W	902 K		R206		RK73FB2A103J	CHIP R 10K J 1/10W		
R144		RK73FB2A472J	CHIP R 4.7K J 1/10W			R207		RK73FB2A223J	CHIP R 22K J 1/10W		
R145		RK73FB2A101J	CHIP R 100 J 1/10W			R208		RK73FB2A562J	CHIP R 5.6K J 1/10W		
R146		RK73FB2A223J	CHIP R 22K J 1/10W	902 K		R209		RK73FB2A331J	CHIP R 330 J 1/10W		
R147		RK73FB2A472J	CHIP R 4.7K J 1/10W			R210		RK73FB2A223J	CHIP R 22K J 1/10W		
R148		RK73FB2A233J	CHIP R 22K J 1/10W			R211		RK73FB2A433J	CHIP R 43K J 1/10W		
R149		RK73FB2A102J	CHIP R 1.0K J 1/10W			R212		RK73FB2A224J	CHIP R 220K J 1/10W		
R150		RK73FB2A233J	CHIP R 22K J 1/10W			R213		RK73FB2A334J	CHIP R 330K J 1/10W		
R151		RK73FB2A102J	CHIP R 1.0K J 1/10W			R214		RK73FB2A163J	CHIP R 16K J 1/10W		
R152		RK73FB2A122J	CHIP R 1.2K J 1/10W			R215		RK73FB2A103J	CHIP R 10K J 1/10W		
R153		RK73FB2A233J	CHIP R 22K J 1/10W			R216		RK73FB2A333J	CHIP R 33K J 1/10W		
R154		RK73FB2A562J	CHIP R 5.6K J 1/10W			R217		RK73FB2A103J	CHIP R 10K J 1/10W		
R156		RK73FB2A223J	CHIP R 22K J 1/10W			R218		RK73FB2A562J	CHIP R 5.6K J 1/10W		
R157		RK73FB2A472J	CHIP R 4.7K J 1/10W			R219		RK73EB2B151J	CHIP R 150 J 1/8W		
R158, 159		RK73FB2A103J	CHIP R 10K J 1/10W			R220		RK73EB2B487J	CHIP R 4.7 J 1/8W		
R160, 161		RK73FB2A102J	CHIP R 1.0K J 1/10W			R221		RK73FB2A183J	CHIP R 18K J 1/10W		
R162		RK73FB2A103J	CHIP R 10K J 1/10W			R222		RK73FB2A102J	CHIP R 1.0K J 1/10W		
R163		RK73FB2A102J	CHIP R 1.0K J 1/10W			R223, 224		RK73FB2A104J	CHIP R 100K J 1/10W		
R164, 165		RK73FB2A472J	CHIP R 4.7K J 1/10W			R225		RK73FB2A471J	CHIP R 470 J 1/10W		
R166		RK73FB2A333J	CHIP R 33K J 1/10W			R226		RK73FB2A104J	CHIP R 100K J 1/10W		
R167		RK73FB2A233J	CHIP R 22K J 1/10W			R227-229		RK73FB2A471J	CHIP R 470 J 1/10W		
R168		RK73FB2A102J	CHIP R 1.0K J 1/10W			R230, 231		RK73FB2A104J	CHIP R 100K J 1/10W		
R169		RK73FB2A472J	CHIP R 4.7K J 1/10W			R232		RK73FB2A471J	CHIP R 470 J 1/10W		
R170, 171		RK73FB2A222J	CHIP R 2.2K J 1/10W			R233		RK73FB2A473J	CHIP R 47K J 1/10W		
R172-174		RK73FB2A472J	CHIP R 4.7K J 1/10W			R234		RK73FB2A662J	CHIP R 6.8K J 1/10W		
R175		RK73FB2A233J	CHIP R 22K J 1/10W								
R176		RK73FB2A473J	CHIP R 47K J 1/10W			VR1 , 2		R12-0678-05	TRIMMING POT. (10K)		
R177		RK73FB2A223J	CHIP R 22K J 1/10W			VR3		R32-0212-05	SEMI FIXED VARIABLE RESIST		
R178		RK73FB2A563J	CHIP R 56K J 1/10W			W1 , 2		R92-2052-05	CHIP R 0 J 1/10W	882 M	
R179		RK73FB2A334J	CHIP R 330K J 1/10W			S1		S74-0809-05	MICRO SWITCH		
R180		RK73FB2A103J	CHIP R 10K J 1/10W			BZ1		T95-0207-05	PIEZOELECTRIC VIBRATOR		
R181		RK73FB2A222J	CHIP R 2.2K J 1/10W								
R182		RK73FB2A101J	CHIP R 100 J 1/10W			D1 - 4		DA204K	DIODE		
R183		RK73FB2A471J	CHIP R 470 J 1/10W			D7 - 9		RD6_22	ZENER DIODE		
R184		RK73FB2A332J	CHIP R 3.3K J 1/10W			D10		MA3091-L	ZENER DIODE		
R185		RK73FB2A302J	CHIP R 3.0K J 1/10W			D11		MA3062-L	ZENER DIODE		
R186		RK73FB2A271J	CHIP R 270 J 1/10W			D12		DAN202K	DIODE		
R187		RK73FB2A223J	CHIP R 22K J 1/10W								
R188		RK73FB2A154J	CHIP R 150K J 1/10W			D12		MA152WK	DIODE		
R189		RK73FB2A393J	CHIP R 39K J 1/10W			D13		UZL-11(L3)	ZENER DIODE		
R190, 191		RK73FB2A104J	CHIP R 100K J 1/10W			D14		AM01Z	DIODE		
R192		RK73FB2A680J	CHIP R 68 J 1/10W			D14		DSM1S02	DIODE		
R193		RK73FB2A102J	CHIP R 1.0K J 1/10W			D15		DAN202K	DIODE		
R194		RK73FB2A331J	CHIP R 330 J 1/10W			D15		MA152WK	DIODE		
R195		RK73FB2A222J	CHIP R 2.2K J 1/10W			D16		DAP202K	DIODE		
R196		R92-2104-05	CHIP R 2.2 J 1W			D16		MA152WA	DIODE		
R197		RK73FB2A683J	CHIP R 68K J 1/10W			D17 , 18		AM01Z	DIODE		
R198		RK73FB2A103J	CHIP R 10K J 1/10W			D19		DAP202K	DIODE		

E: Europe K: North America M: Other Areas

E: Europe R: Rest
W: Without Europe

 indicates safety critical components.

E: Europe K: North America M: Other Areas

E: Europe R: Non
W: Without Europe

 indicates safety critical components.

KRC-802/882/902

PARTS LIST

*New Parts

Parts without Part No. are not supplied.

Les articles non mentionnés dans le Parts No. ne sont pas fournis.

Teile ohne Parts No. werden nicht geliefert.

Model Name KRC-s

Ref.No.	A N d e d w	Parts No.	Description	Model Name KRC-s	Destination		Destination	
					A N d e d w	Parts No.	Description	Model Name KRC-s
D19		MA152WA	DIODE		026	27	2SC2412K	
D20		RW102LF	DIODE		028	29	DTC144EK	
D21		UZM5.68(Y)	ZENER DIODE		028	29	UN2213	
D22		UZL-7(L3)	ZENER DIODE		030		DTA144EK	
D23		DAP202K	DIODE		030		UN2113	
D23		MA152WA	DIODE		031		DTC144EK	
D24		DAN202K	DIODE		031		UN2213	
D24		MA152WK	DIODE		032		2SA1037K	
D25		DAN202K	DIODE		034		DTC143TK	
D26		MA152WK	DIODE		034		UN2216	
D27		UZM5.68(Y)	ZENER DIODE		035	36	DTC144EK	
D28 , 29		DAP202K	DIODE		035	36	UN2213	
D28 , 29		MA152WA	DIODE		037		2SK536	
D30 , 31		DAN202K	DIODE		038		DTC124EK	
D30 , 31		MA152WK	DIODE		038		UN2212	
IC1	*	BA3917-V4	ANALOGUE IC		039	40	2SC2412K	
IC2	2F	UPD17708G-E15	MI-COM IC		041		DTA144EK	
IC3		TD7384A	ANALOGUE IC		041		UN2113	
IC4		BA3131FS	ANALOGUE IC		042		DTC144EK	
IC5		TC4W66F	IC	802	K	042	UN2213	
IC6		TC4W66F	IC	902	K	043	DTA144EK	
IC7		TD74740	ANALOGUE IC		043		UN2113	
IC7		LA1143B	ANALOGUE IC		044		DTC124EK	
IC8		HA12163FP	ANALOGUE IC	802	K	044	UN2212	
IC8		HA12163FP	ANALOGUE IC	882	M	045	DTC144EK	
IC8		HA12173FP	ANALOGUE IC	902	K	045	UN2213	
IC9		BA6238A	ANALOGUE IC		046	, 47	2SC2413K	
Q3 - 6		DTC143TK	DIGITAL TRANSISTOR		TH1		TRANSISTOR	
Q3 - 6		UN2216	DIGITAL TRANSISTOR				THERMISTOR	
Q7		2SC2412K	TRANSISTOR		A1	2F	#W02-1524-05	FM/AM FRONT-END
SWITCH UNIT (X25-7462-70)								
08		DTA114EK	DIGITAL TRANSISTOR		330	1G	B11-0891-04	OPTICAL DIFFUSER
08		UN2111	DIGITAL TRANSISTOR		331	1G	B19-1006-14	LIGHTING BOARD
09		DTC144EK	DIGITAL TRANSISTOR		D1	-20	B30-1349-05	LED
09		UN2213	DIGITAL TRANSISTOR		E01	1G	*B38-0647-05	LIQUID CRYSTAL
010	2F	2SB1565	TRANSISTOR		PL1		B30-1306-05	LAMP (GREEN) (5.5V .125A)
011		2SB1443	TRANSISTOR		PL2	, 3	B30-1305-05	LAMP (AMBER) (5.5V .125A)
012		DTA124EK	DIGITAL TRANSISTOR		PL4		B30-1306-05	LAMP (GREEN) (5.5V .125A)
013		UN2112	DIGITAL TRANSISTOR		C1		CK73F81H103K	CHIP C 0.010UF K
013		DTC124EK	DIGITAL TRANSISTOR		C2		C92-0509-05	CHIP-TAN 10UF 6.3MV
014		UN2212	DIGITAL TRANSISTOR		333	1H	E29-1466-03	CONDUCTIVE RUBBER (Right)
015		DTC114YK	DIGITAL TRANSISTOR		334	1G	E29-1467-04	CONDUCTIVE RUBBER (Left)
016		2SB1443	TRANSISTOR		335	1G	E29-1468-04	CONDUCTIVE RUBBER
017		DTC114YK	DIGITAL TRANSISTOR		CN1		E40-9395-05	FLAT CABLE CONNECTOR
018		2SB1184	TRANSISTOR		CP1		*R00-0724-05	MULTI-COMP 1K x4
019		2SB1443	TRANSISTOR					
020		DTA114YK	DIGITAL TRANSISTOR		R1		RK73F82A220J	CHIP R 22 J 1/10W
021		2SC2412K	TRANSISTOR		R2		RK73E82B471J	CHIP R 470 J 1/8W
022		2SB1443	TRANSISTOR		R3	- 8	RK73E82B331J	CHIP R 330 J 1/8W
023		DTA114EK	DIGITAL TRANSISTOR		R9		RK73F82A103J	CHIP R 10K J 1/10W
023		UN2111	DIGITAL TRANSISTOR		R10		RK73F82A104J	CHIP R 100K J 1/10W
024		DTC114YK	DIGITAL TRANSISTOR		R11	- 13	RK73F82A102J	CHIP R 1.0K J 1/10W
025		DTC144EK	DIGITAL TRANSISTOR		D21	- 23	DA227	DIODE

E: Europe K: North America M: Other Areas

W: Without Europe

▲ indicates safety critical components.

KRC-802/882/902

PARTS LIST

*New Parts
Parts without Part No. are not supplied.
Les articles non mentionnés dans le Parts No. ne sont pas fournis.
Teile ohne Parts No. werden nicht geliefert.

Ref.No.	A N d e d w	Parts No.	Description	Model Name KRC-s	Destination		Destination	
					A N d e d w	Parts No.	Description	Model Name KRC-s
I01		UPD16431A	MOS-IC		90	28	N86-2004-46	BIND.HEAD TAPTITE SCREW
I02		RS-31N	ANALOGUE IC		92	1A	N09-4115-08	SCREW
Q1		DTA114EK	DIGITAL TRANSISTOR		93	28	N35-2005-46	BIND.HEAD MACHINE SCREW
Q1		UN2111	DIGITAL TRANSISTOR		96	38	N38-2630-45	MACHINE SCREW
					100	2A	N19-2051-08	FLAT WASHER
CASSETTE MECHA. ASSY (D40-1065-05)								
2	1A	A11-0891-08	SUB CHASSIS ASSY		101	2A	N19-2052-08	FLAT WASHER
3	2B	A11-0892-08	SUB CHASSIS ASSY		102	2A	N19-2053-08	FLAT WASHER
4	1A	D10-2915-08	ARM ASSY		103	2A	N19-2054-08	FLAT WASHER
5	1B	D10-3026-08	ARM ASSY		104	1A	N19-2055-08	FLAT WASHER
6	3A	D10-2917-08	ARM ASSY		107	2A	N19-2056-08	FLAT WASHER
7	1A	J19-4605-08	HOLDER ASSY		111	1B	N24-3015-41	RETAINING RING
10	1B	D13-1211-08	GEAR ASSY		112	2A	N24-3030-41	RETAINING RING
11	3A	D13-1166-08	GEAR ASSY		113	2B	J26-4010-08	PRINT BOARD ASSY
12	2A	D13-1167-08	GEAR ASSY		114	1A	G02-1185-08	PLATE SPRING
16	1B	D10-2918-08	ARM ASSY (F)		115	1A	D10-2924-08	ARM
17	1A	D10-2919-08	ARM ASSY (R)		137	2A	E40-9343-08	PIN ASSY
18	3A	D01-0605-08	FLYWHEEL ASSY		138	2A	G11-1648-08	CUSHION
19	3A	D01-0607-08	FLYWHEEL ASSY		139	2A	D21-2193-08	SHAFT ASSY
21	1B	D13-1215-08	GEAR		H01	1A	T31-0215-08	PLAYBACK HEAD
22	3B	D10-2920-08	LEVER		M1	2A	T43-0102-08	DC MOTOR (MAIN)
23	2B	D10-2921-08	LEVER ASSY		M2	2B	T43-0103-08	DC MOTOR (SUB)
24	1A	D10-2922-08	LEVER		PH1 , 2	3A	795-0215-08	OPTO ISOLATOR
25	2B	J19-4557-08	BRACKET		PH3	2B	795-0213-08	PHOTO COUPLER
28	1B	D10-3027-08	ARM ASSY		S1	2B	S74-0805-08	PUSH SWITCH
30	2A	B09-0520-08	CAP		S2 , 3	3A	S74-0806-08	LEAF SWITCH
31	1B	D10-2923-18	ARM					
32	2B	D13-1168-08	GEAR					
33	1B	D13-1169-18	GEAR					
34	1B	D13-1170-08	GEAR					
35	1B	D13-1171-08	GEAR					
36	1B	D13-1172-08	GEAR					
37	2B	D13-1173-08	GEAR					
38	3A	D13-1174-08	GEAR					
39	2A	D15-0910-08	PULLEY					
40	3B	D15-0911-08	PULLEY					
42	1A	J90-0744-18	GUIDE					
48	2B	D14-0648-08	ROLLER					
49	2A	D14-0649-08	ROLLER					
50	3B	D14-0650-08	ROLLER					
52	2A	D10-3028-08	ARM					
53	2A	G01-2706-08	TORSION SPRING					
54	3A	G01-2739-08	TENSION SPRING					
55	2A	G01-2699-08	COMPRESSION SPRING					
57	1B	G01-2732-08	TENSION SPRING					
58	3A	G01-2701-08	TENSION SPRING					
60	1B	G01-2702-08	TORSION SPRING					
61	2B	G01-2703-08	TORSION SPRING					
65	1A	G09-2010-08	FORMED WIRE					
66	3A	D16-0607-08	BELT					
70	3A	J26-4009-08	PRINT BOARD ASSY					
85	3A	N38-2022-45	MACHINE SCREW					
86	1A	N38-2303-46	MACHINE SCREW					
87	1A	N09-4114-08	SCREW					
88	2B	N38-2020-45	MACHINE SCREW					
89	2B	N35-2003-45	BIND.HEAD MACHINE SCREW					

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KRC-802/882/902

SPECIFICATIONS

Specifications subject to change without notice.

FM tuner section

Frequency range (50 kHz Space)(KRC-882 only)	87.5 MHz - 108.0 MHz
(200 kHz Space).....	87.9 MHz - 107.9 MHz
Usable sensitivity (S/N = 30dB)	9.3dBf (0.8 µV/75 ohms)
Quieting Sensitivity (S/N = 50dB)	15.2dBf (1.6 µV/75 ohms)
Frequency response (±3.0 dB)	30 Hz - 15 kHz
Signal to Noise ratio (MONO)	75 dB
Selectivity (±400 kHz)	≥ 80 dB
Image Response Ratio	70 dB
IF Response Ratio	120 dB
Stereo separation (1 kHz)	40 dB

AM tuner section

Frequency range (9 kHz space)(KRC-882 only)	531 kHz - 1611 kHz
(10 kHz space)	530 kHz - 1700 kHz
Usable sensitivity (S/N = 20 dB)	28 dB (25 µV)

Cassette player section

Tape speed	4.76 cm/sec.
Wow & Flutter (WRMS)	0.08 %
Frequency response (70 µs)	30 Hz - 20 kHz (±3 dB)
Separation (1 kHz)	43 dB
Signal to Noise ratio (Dolby NR OFF)	57 dB
(Dolby B NR ON)	65 dB
(Dolby C NR ON)(KRC-902 only)	73 dB

Audio section

Maximum output power	35 W × 4
Full bandwidth power (at less than 1% THD)	20 W × 4
Tone action	
Bass:	100 Hz ±10 dB
Treble:	10 kHz ±10 dB
Preout level / Load	1800 mV / 10 k ohms
Preout Impedance	≤ 600 ohms

General

Operating voltage	14.4 V (11 - 16 V allowable)
Current consumption	10 A at Rated power
Installation size (W × H × D)	182 × 53 × 163 mm
Weight	7.3/16 × 2.1/16 × 6.7/16 in. 2.0 kg
	4.4LBS

KENWOOD follows a policy of continuous advancements in development.
For this reason specifications may be changed without notice.

Note:

Component and circuitry are subject to modification to insure best operation under differing local conditions. This manual is based on North America (K) standard, and provides information on regional circuit modification through use of alternate schematic diagrams, and information on regional component variations through use of parts list.

KENWOOD CORPORATION

14-6,Dogenzaka 1-chome, Shibuya-ku, Tokyo, 150 Japan

KENWOOD SERVICE CORPORATION

P.O BOX 22745, 2201 East Dominguez St, Long Beach, CA 90801-5745, U.S.A.

KENWOOD ELECTRONICS CANADA INC.

6070 Keele Road, Mississauga, Ontario, Canada L5T 1S8

KENWOOD ELECTRONICS LATIN AMERICA S.A.

P.O BOX 55-2791, Piso 6 plaza Chesse, Cl. 47 y Aquilino de la Guardia Panama, Republica de Panama

KENWOOD ELECTRONICS U.K. LIMITED

KENWOOD House, Dwight Road, Watford, Herts, WD1 8EB, United Kingdom

KENWOOD ELECTRONICS BENELUX N.V.

Meechelsesteenweg 418, B-1930 Zaventem, Belgium

KENWOOD ELECTRONICS DEUTSCHLAND GMBH

Rembrandt Str. 15, 63150 Heusenstamm, Germany

KENWOOD ELECTRONICS FRANCE S.A.

13 Boulevard Ney, 75018 Paris, France

KENWOOD ELECTRONICS ITALIA S.p.A.

Via G. Sirtori, 79 20129, Milano, Italy

KENWOOD IBERICA S.A.

Boleix, 239-08020 Barcelona, Spain

KENWOOD ELECTRONICS AUSTRALIA PTY. LTD. (A.C.N. 001499 074)

P.O Box 504, 8 Figtree Drive, Australia Centre, Homebush, N.W. 2140, Australia

KENWOOD & LEE ELECTRONICS, LTD.

Unit 3712-3724, Level 37, Tower 1, Metropolis, 223 Hing Fong Road, Kowloon N.T., Hong Kong

KENWOOD ELECTRONICS SINGAPORE PTE LTD.

No. 1 Genting Lane #02-02, KENWOOD Building, Singapore, 349544

KENWOOD ELECTRONICS (MALAYSIA) SDN BHD.

#4.01 Level 4, Wisma Academy Lot 4A, Jalan 19/1 46300 Petaling Jaya Selangor Darul Ehsan Malaysia